



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

DEPARTMENT OF COMPUTER SCIENCE

PYTHON AND DATA ANALYTICS INTERNSHIP

Date: 07-04-2025 to 19-04-2025

Organized by: Department of Computer Science

From April 7 to April 19, 2025, Praveen Singh, Senior Data Scientist in Analytics, conducted a specialized short-term internship in Python and Data Analytics. This program was meticulously designed for II-year students pursuing B.Sc. degrees in Mathematics, Physics, Chemistry, and Statistics, as well as BCA and B.Com students.

Throughout the internship, participants delved into the fundamentals of Python programming and its applications in data analytics. Under Praveen Singh's expert guidance, students engaged in hands-on projects that involved data preprocessing, statistical analysis, and the creation of data visualizations. They also explored real-world datasets, gaining insights into data-driven decision-making processes.

The program not only enhanced the students' technical skills but also provided them with a comprehensive understanding of the role of data analytics in various industries. By the end of the internship, participants were equipped with practical knowledge and experience, preparing them for future endeavors in the field of data science and analytics.

Internship Objectives:

1. **Enhance Technical Proficiency**

Equip II-year B.Sc. students (Mathematics, Physics, Chemistry and Statistics), BCA, and B.Com students with foundational skills in Python programming and data analytics.

2. **Develop Analytical Competencies**

Foster the ability to clean, analyze, and interpret data, enabling students to derive meaningful insights from complex datasets.

3. **Promote Data-Driven Decision-Making**

Cultivate an understanding of how data analytics can inform and improve decision-making processes across various sectors.

4. **Provide Practical Experience**

Offer hands-on exposure to real-world data analysis tasks, bridging the gap between academic learning and industry practices.



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

5. Encourage Collaborative Learning

Facilitate teamwork and knowledge sharing among participants, enhancing collaborative problem-solving skills.

6. Prepare for Future Careers

Equip students with the skills and knowledge necessary to pursue careers in data science, analytics, or related fields.

This internship aimed to provide a comprehensive learning experience, preparing students for the evolving demands of the data-driven job market.

Observations and Key Learning's

1. Data Wrangling and Preprocessing

Interns gained hands-on experience in cleaning and transforming raw datasets, addressing missing values, outliers, and inconsistencies. This foundational skill is crucial for ensuring data quality and reliability in subsequent analyses.

2. Exploratory Data Analysis (EDA)

Participants developed the ability to perform EDA, uncovering patterns, trends, and relationships within data. This process involved using statistical techniques and visualizations to derive meaningful insights.

3. Data Visualization Techniques

Interns mastered the use of Python libraries such as Matplotlib, Seaborn, and Plotly to create compelling visual representations of data. These skills are essential for communicating findings effectively to both technical and non-technical audiences.

4. Statistical Analysis and Modeling

The internship provided exposure to statistical methods like regression analysis, enabling interns to build models that predict outcomes and inform decision-making processes.

5. Critical Thinking and Problem-Solving

Interns honed their ability to approach data with a critical mindset, questioning assumptions and ensuring the integrity of their analyses. This skill is vital for making informed decisions based on data.

6. Effective Communication of Insights

The program emphasized the importance of presenting data findings clearly and concisely, using visualizations and narratives to make complex information accessible to stakeholders.



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

7. Collaborative Learning Environment

Interns benefited from a collaborative setting, engaging in discussions and teamwork that enhanced their learning experience and prepared them for real-world data analytics challenges.

Inauguration

On April 7, 2025, the Python and Data Analytics short-term internship commenced with an inaugural session led by Praveen Singh, Senior Data Scientist (Analytics). The event was held at the Department of Computer Science and was attended by II B.Sc. students majoring in Mathematics, Physics, Chemistry, and Statistics, as well as BCA and B.Com students.

During the inauguration, Praveen Singh outlined the objectives and structure of the internship, emphasizing the importance of Python programming and data analytics in today's data-driven world. He highlighted the skills participants would acquire, including data cleaning, exploratory data analysis, and visualization techniques. The session also provided an overview of the tools and technologies that would be used throughout the program.

The inauguration set the tone for an engaging and informative internship, motivating students to actively participate and make the most of the learning opportunities ahead.





COMPUTER SCIENCE INTERNSHIP ACTIVITIES





COMPUTER SCIENCE INTERNSHIP ACTIVITIES





COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Attendance Report

**B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 13-04-25**

Morning Batch - I
9:00 AM to 12:30 PM

S.No	Regd No	Name of the student	Group
1	233117401046	V.B.A Swetha	II BCA
2	233117401004	B.Pavani	II BCA
3	233117401012	D.Hema Durga	II BCA
4	233117401035	M.Divya Sri Lakshmi	II BCA
5	233117401047	V. Deepthi Sri	II BCA
6	233117401019	J. Pravalika	II BCA
7	233117401038	N.Sangana	II BCA
8	233117401009	Ch. Deepthi	II BCA
9	233117401094	K.Siva Vedya	II BCA
10	233117401030	M. Harani Jai	II BCA
11	233117401053	V.Devendranath Siddanatha	II BCA
12	233117401018	T. Veera Babu	II BCA
13	233118100051	I.Svam	II B.Com
14	233118100035	M.Jagadeesh varma	II B.Com
15	233117401039	M.H.S.P.sangana	II BCA
16	233117401001	A. Gayatri	II BCA
17	233117401014	G. Jyothika	II BCA
18	233117401006	B. Jyoshna	II BCA
19	233118102009	Y. Shama Raja	II B.Com
20	233118102005	A. J. L. D. Bhavani	II B.Com
21	233118102009	K. Devika Sri	II B.Com
22	233118102017	G. Devi Madhu Balu	II B.Com
23	233118102052	T. K. N. S. Chinmayi	II B.Com
24	233118102011	Ch. Sravani	II B.Com
25	233118102043	P. Sarithoshi	II B.Com
26	233118102034	M. Satya Sri Deepthi	II B.Com
27	233118102036	M. Kousalya	II B.Com
28	233118102017	Ch. Jagadeesh	II B.Com
29			
30			

**B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 13-04-25**

Afternoon Batch - II
1:30 PM to 4:30 PM

S.No	Regd No	Name of the student	Group
1	233117187370	V. Prasanna	III Stat
2	233117187399	M. Bhargavi	III Stat
3	233117187406	T. Bhavya Sri	III Stat
4	233117187405	T. Kumara Esuana chandra	III Stat
5	233117187278	M. Kinnara sai sri	III Maths
6	233117187370	K. Manika	III physics
7	233117187362	Ch. Keerthi	III physics
8	233117187369	K. Sai Rama Reddy	III physics
9	233117187377	N. Bharu prakash	III physics
10	233117187376	N. Abdul Aftu	III physics
11	233117169072	N. Sravani	III chemistry
12	233117169057	D. Hema Sri Jagavalli	III chemistry
13	233118187379	P. Venkata Satpavathi	III physics
14	233118187380	S. Saruna Sri	III physics
15	233117187386	V. Lakshmi Srinidhi	III physics
16	233117187374	M. Divya Venkata Lakshmi	III physics
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

**B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 15-04-25**

S.No	Regd No	Name of the student	Group
1	233117187377	Ch. Thana Sri Sahitha	B.Sc (Maths)
2	233117187396	R. Bhavani	B.Sc Maths
3	233117187392	G. Komali	B.Sc (Maths)
4	233117187390	N. Rajaswari	B.Sc (Maths)
5	233117187398	M. Kinnara Saraswathi	B.Sc (Maths)
6	233117187405	T. Kumara Esuana chandra	III Stat
7	233117187406	T. Bhavya Sri	III Stat
8	233117187404	V. Prasanna	III Stat
9	233117187399	M. Bhargavi	III Stat
10	233117187370	K. Manika	III physics
11	233117187362	Ch. Keerthi	III physics
12	233117187369	K.S.P. Sarama Reddy	III physics
13	233117187379	P. Venkata Satpavathi	III physics
14	233117169057	D. Hema Sri Jagavalli	III chemistry
15	233117169072	P. Praveen	III chemistry
16	233117169073	N. Sravani	III chemistry
17	233117187386	V. Lakshmi Srinidhi	III BSc physics
18	233117187380	S. Saruna Sri	III BSc physics
19	233117187374	M. Divya Venkata Lakshmi	III BSc physics
20	233118102021	J. Saranya Sri	III B.Com
21	233118102017	G. Devi Madhu Balu	III B.Com
22	233118102052	T. K. N. S. Chinmayi	III B.Com
23	233118102043	P. Sarithoshi	III B.Com
24	233118102036	M. Kousalya	III B.Com
25	233118102034	P. Sahithi	III B.Com
26	233118102006	I. Babu	III B.Com
27	233118102008	K. Hemant	III B.Com
28	233118102011	Ch. Sravani	III B.Com
29	233118102017	Ch. Jagadeesh	III B.Com
30			

**B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 15-04-25**

S.No	Regd No	Name of the student	Group
1	233117401006	B. Jyoshna	BCA
2	233117401046	V.B.A Swetha	BCA
3	233117401004	B.Pavani	BCA
4	233117401012	D.Hema Durga	BCA
5	233117401035	M. Divya Sri Lakshmi	BCA
6	233117401047	V. Deepthi Sri	BCA
7	233117401038	N.Sangana	BCA
8	233117401009	Ch. Deepthi	BCA
9	233117401019	J. Pravalika	BCA
10	233117401094	K.Siva Vedya	BCA
11	233117401030	M. Harani Krishna	BCA
12	233117401053	G. Lakshmi	BCA
13	233117401003	CH. BHASABASS R Renu	BCA
14	233117401018	T. Veera Babu	BCA
15	233117401053	V.Devendranath Siddanatha	BCA
16	233117401051	V. Venkata Bhagava	BCA
17	233117401030	M. Harani Jai	BCA
18	233117401032	M.H.S.P.sangana	BCA
19	233117401014	G. Jyothika	BCA
20	233118102029	K. Bhumika Varma	B.COM
21	233118102033	Ch. Divya Vani	B.COM
22			
23			
24			
25			
26			
27			
28			
29			
30			



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 16-04-25

S.No	Regd No	Name of the student	Group
1	233117187362	Ch. Keerthi	III physics
2	233117189405	T. Kumara Swara Chandra	IV stat
3	233117187326	N. Abhinav Afflu	III Physics
4	233117187377	N. Phani Prakash	IV PHYSICS
5	233117187369	N.S.A Saranya Reddy	III physics
6	233117189406	T. Bhagya Sri	III statistics
7	233117187370	K.mounika	III physics
8	233117189397	M. Bhargavi	IV statistics
9	233117185292	M. Kinoya Sai Sri	III Maths
10	233117185288	ch. devi naga prasanna	III maths
11	233117185290	D. devi Sujitha	III maths
12	233117185292	G. Komali	III maths
13	233117185300	M. Rajeswari	III maths
14	233117187386	V. Lakshmi Srishta	III physics
15	233117187380	S. Hanu sri	III physics
16	233117187374	M. Divya Venkata lakshmi	III physics
17	233117169072	N. Sravani	III chemistry
18	233117169057	D. Hemasri Jagavalli	III chemistry
19	233117169079	P. Praseef	III chemistry
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 16-04-25

S.No	Regd No	Name of the student	Group
1	233117401006	B. Jayashna	BCA
2	233117401046	V.B.A. Swetha	BCA
3	233117401004	B. Pavani	BCA
4	233117401012	D. Hema Divya	BCA
5	233117401035	N. Divya Sri Lakshmi	BCA
6	233117401047	V. Deepthi Sri	BCA
7	233117401009	Ch. Deepthi	BCA
8	233117401038	N. Sanjana	BCA
9	233117401019	J. Pranavika	BCA
10	233117401024	K. Siva Vedya	BCA
11	233117401037	M. Vanshi Koushika	BCA
12	233117401015	G. Lalitha	BCA
13	233117401008	Ch. P. S. R. Ravi	BCA
14	233118102012	Ch. Jagadeesh	III B.COM
15	233117401018	J. veerababu	BCA
16	233117401053	V. Devendharadh Siddhartha	BCA
17	233117401051	V.V. Raghava	BCA
18	233118102001	A. Ramcharan	B.COM
19	233118102028	K. Hemant	B.COM
20	233118102006	B. Babu	B.COM
21	233118102011	Ch. Sravani	B.COM
22	233118102009	Ch. Divya	B.COM
23	233118102051	N. S.A. Himmayi	B.COM
24	233118102017	G. Devi Madhu Bala	B.COM
25	233118102059	V. Syam	B.COM
26	233118102035	Jagadeesh MANIKANTA I	B.COM
27	233117401044	G. Tyathika	BCA
28	233117401032	M. S. P. Sranya	BCA
29	233117102021	T. banyasri	BCA
30			

B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 17-04-25

S.No	Regd No	Name of the student	Group
1	233117169405	T. Kumara Kumara Chandra	III stat
2	233117169406	T. Bhavya Sri	III stat
3	233117169407	V. Prasanna	III stat
4	233117169399	M. Bhargavi	III stat
5	233117189399	P. Venkata Sujanika	III physics
6	233117187380	S. Karuna Sri	III physics
7	233117169072	N. Sravani	III chemistry
8	233117187374	M. Divya Venkata lakshmi	III physics
9	233117169073	P. Praseef	III chem
10	233117169072	D. Hema Sri Jagavalli	III chem
11	233117187370	K. Mounika	III physics
12	233117189362	Ch. Keerthi	III physics
13	233117187369	N.S.A Saranya Reddy	III physics
14	233117187326	N. Abhinav Afflu	III physics
15	233117187377	N. Phani Prakash	III physics
16	233117185300	M. Rajeswari	III Maths
17	233117185292	G. Komali	III Maths
18	233117185288	M. Kinoya Sai Sri	III Maths
19	233118102009	Ch. Divya	III B.COM
20	233118102023	K. Bhumiika	III B.COM
21	233118102035	M. Jagadeesh Manikanta	III B.COM
22	233118102021	J. Karthika	III B.COM
23	233118102059	V. Syam	III B.COM
24	233118102032	K. HEMANTH	III B.COM
25	233118102006	B. BABU	III B.COM
26	233118102051	N. S.A. Himmayi	III B.COM
27	233118102017	G. Devi Madhu Bala	III B.COM
28	233118102011	Ch. Sravani	III B.COM
29	233118102001	A. Ramcharan	III B.COM
30	233118102012	Ch. Jagadeesh	III B.COM

B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
5th sem Short term Internship
Attendance Sheet - 17-04-25

S.No	Regd No	Name of the student	Group
1	233117401006	B. Jayashna	BCA
2	233117401046	V.B.A. Swetha	BCA
3	233117401004	B. Pavani	BCA
4	233117401012	D. Hema Divya	BCA
5	233117401035	N. Divya Sri Lakshmi	BCA
6	233117401047	V. Deepthi Sri	BCA
7	233117401038	N. Sanjana	BCA
8	233117401019	J. Pranavika	BCA
9	233117401009	Ch. Deepthi	BCA
10	233117401024	K. Siva Vedya	BCA
11	233117401037	M. Vanshi Koushika	BCA
12	233117401015	G. Lalitha	BCA
13	233117401008	Ch. P. S. R. Ravi	BCA
14	233117401018	J. veerababu	BCA
15	233117401053	V. Devendharadh Siddhartha	BCA
16	233117401051	V.V. Raghava	BCA
17	233117401001	A. Gayathri	BCA
18	233117401001	M. Sranya	BCA
19	233117401032	M. S. P. Sranya	BCA
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Lab-6
B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
 5th sem Short term Internship
 Attendance Sheet - 18-04-25
 Period: 9:00 P.M. to 12:30 P.M.

S.No	Regd No	Name of the student	Group
1	233119189405	T. Kumara Swara chandra	III BSc (Stat)
2	233117187376	N. Abdul Aff U	III BSc (Comp)
3	233117187377	N. Bhannu Prakash	III BSc (Phy)
4	233117187369	K.S.A Sai Rama Reddy	III BSc (Phy)
5	233117189406	T. Bhargya Sasi	III BSc (Stat)
6	233117187362	Ch. Keerthi	III BSc (Phy)
7	233117187370	K. Manika	III BSc (Phy)
8	233117185300	H. Rajeswari	III BSc (Maths)
9	233117185292	G. Komale	III BSc (Maths)
10	233117187374	M. Divya Venkata Lakshmi	III BSc (Physics)
11	233117185292	H. Kinnaia Sap Sri	III BSc (Maths)
12	233117189379	M. Bhargavi	III BSc (Stat)
13	233117187386	V. Lakshmi Srishra	III physics
14	233117187380	S. Anur	III physics
15	233117189379	P. Venkata Satyawathi	III physics
16	233117169072	N. Sravani	III chemistry
17	233117169057	O. Hema Sri Jagavalli	III chemistry
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

Lab-6
B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
 5th sem Short term Internship
 Attendance Sheet - 18-04-25
 Period: 09:30 AM to 05:30 PM

S.No	Regd No	Name of the student	Group
1	233117401007	Ch. Deepthi	II BCA
2	233117401038	A. Sajana	II BCA
3	233117401019	J. Pravalika	II BCA
4	233117401046	V.B. Swetha	II BCA
5	233117401004	B. Pavani	II BCA
6	233117401006	B. Jyostha	II BCA
7	233117401035	M. Divya Sri Lakshmi	II BCA
8	233117401012	D. Hema Divya	II BCA
9	233117401047	V. Deepthi Sri	II BCA
10	233117401024	K. Siva Vedya	II BCA
11	233117401030	M. Bhargava Teja	II BCA
12	233117401027	M. Vamsi Krishna	II BCA
13	233117401008	Ch. B.S.S.P. Ravi	II BCA
14	233117401053	V. Devendranadh Siddandha	II BCA
15	233118102001	A. Pramcharan	II BCA
16	233118102023	K. Bhumika Vasuma	II BCA
17	233118102007	Ch. Drup Vani	II BCA
18	233117401022	M. Bhargya	II BCA
19	233117401021	A. Gayathri	II BCA
20	233118102011	Ch. Sravani	II BCA
21	233118102059	R. N. S. A. Chinmayi	II BCA
22	233118102017	G. Devi Madhu Mala	II BCA
23	233117401014	G. Jyothika	II BCA
24	233118102012	Ch. Jagadeesh	II BCA
25	233118102021	J. Kavayasi	II BCA
26			
27			
28			
29			
30			

B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
 5th sem Short term Internship
 Attendance Sheet - 19-04-25

S.No	Regd No	Name of the student	Group
1	233117189405	V. Prasanna	III Stat
2	233117189406	T. Bhavya Sri	III Stat
3	233117189405	T. Kumara Swara chandra	III Stat
4	233117189379	M. Bhargavi	III Stat
5	233117187362	Ch. Keerthi	III Phy
6	233117187370	K. Manika	III Phy
7	233117169072	N. Sravani	III chemistry
8	233117169057	O. Hema Sri Jagavalli	III chemistry
9	233117169073	P. Praseef	III chemistry
10	233117189405	T. Kumara Swara chandra	III (Stat)
11	233117189377	N. Bhannu Prakash	III Phy
12	233117187369	K.S.A Sai Rama Reddy	III Phy
13	233117187374	M. Divya Venkata Lakshmi	III physics
14	233117187386	V. Lakshmi Srishra	III physics
15	233117189379	P. Venkata Satyawathi	III physics
16	233117189406	T. Bhargya Sasi	III Stat
17	233117185292	M. Kinnaia Sap Sri	III Maths
18	233117185292	G. Komale	III Maths
19	233117187370	K. Manika	III (Physics)
20	233117185300	M. Rajeswari	III Maths
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

B V RAJU COLLEGE
VISHNUPUR::BHIMAVARAM
 5th sem Short term Internship
 Attendance Sheet - 19-04-25

S.No	Regd No	Name of the student	Group
1	233117401009	Ch. Deepthi	II BCA
2	233118102017	G. Devi Madhu Mala	II BCA
3	233118102021	J. Kavaya Sri	II BCA
4	233118102059	R. N. S. A. Chinmayi	II BCA
5	233118102011	Ch. Sravani	II BCA
6	233117401032	M. Bhargya	II BCA
7	233117401001	A. Gayatri	II BCA
8	233117401014	G. Jyothika	II BCA
9	233118102054	Y. S. N. M.	II BCA
10	233118102035	M. Jagadeesh Manikanta	II BCA
11	233117401047	V. Deepthi Sri	II BCA
12	233117401035	M. Divya Sri Lakshmi	II BCA
13	233117401012	D. Hema Divya	II BCA
14	233117401044	B. Pavani	II BCA
15	233117401046	V. Swetha	II BCA
16	233117401006	B. Jyostha	II BCA
17	233117401038	N. Sajana	II BCA
18	233117401019	J. Pravalika	II BCA
19	233117401010	J. Pravalika	II BCA
20	233117401024	K. Siva Vedya	II BCA
21	233117401037	M. Vamsi Krishna	II BCA
22	233118102012	Ch. Jagadeesh	II BCA
23	233117401008	Ch. B.S.S.P. Ravi	II BCA
24	233117401012	T. Venkata	II BCA
25	233117401030	M. Bhargava Teja	II BCA
26	233117401053	V. Devendranadh Siddandha	II BCA
27	233118102001	A. Pramcharan	II BCA
28	233118102023	K. Bhumika Sri Kumari	II BCA
29			
30			



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Key Learning Outcomes

1. Proficiency in Python Programming

Participants developed a solid foundation in Python, focusing on its application in data analytics. They gained practical experience in data preprocessing, statistical analysis, and the creation of data visualizations. This hands-on approach enhanced their coding skills and understanding of Python's role in data analysis.

2. Exploratory Data Analysis (EDA)

The internship introduced students to EDA techniques, including data cleaning, handling missing values, and identifying patterns within datasets. This process is crucial for uncovering insights and preparing data for further analysis.

3. Data Visualization Skills

Participants learned to create compelling data visualizations using Python libraries such as Matplotlib and Seaborn. These visualizations are essential for presenting data insights clearly and effectively.

4. Real-World Data Application

Engaging with real-world datasets allowed students to apply theoretical knowledge to practical scenarios, enhancing their problem-solving skills and understanding of data-driven decision-making processes.

5. Communication and Storytelling with Data

The program emphasized the importance of effective communication in data analytics. Participants honed their ability to translate complex data into actionable insights for non-technical stakeholders, a skill vital for influencing decision-making processes.

6. Industry-Relevant Tools and Techniques

Exposure to industry-standard tools and techniques equipped participants with the skills necessary to tackle real-world data challenges. This experience is invaluable for those pursuing careers in data science and analytics.

By the end of the internship, participants were well-prepared to embark on future endeavors in the field of data science and analytics, armed with practical knowledge and experience.



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Challenges and Solutions

1. Challenge: Limited Prior Experience in Python Programming

Solution: The internship commenced with foundational Python training, focusing on essential programming concepts and libraries such as NumPy and Pandas. This approach ensured that all participants, regardless of their initial proficiency, could engage with the course material effectively.

2. Challenge: Handling Complex Data Preprocessing Tasks

Solution: Students were introduced to structured data preprocessing workflows, including techniques for handling missing values, data normalization, and outlier detection. By working on real-world datasets, participants gained practical experience in applying these methods to prepare data for analysis.

3. Challenge: Interpreting and Communicating Data Insights

Solution: The program emphasized the development of data storytelling skills. Participants were trained to create clear and compelling visualizations using tools like Matplotlib and Seaborn, and to present their findings effectively to both technical and non-technical audiences.

4. Challenge: Navigating Data Security and Privacy Concerns

Solution: Throughout the internship, students were educated on best practices for data security and privacy, including the importance of anonymizing sensitive information and adhering to ethical guidelines in data analysis.

5. Challenge: Adapting to Rapid Technological Advancements

Solution: The program incorporated discussions on emerging trends in data analytics and provided resources for continuous learning. This approach encouraged participants to stay updated with the latest tools and techniques in the field.

By proactively addressing these challenges, the internship equipped participants with the skills and knowledge necessary to excel in the field of data analytics.



COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Feedback

Mandagiri Kinnera Sai Sri

II B.Sc (Mathematics)

I am deeply grateful for the opportunity to participate in the Python and Data Analytics Internship organized by the Computer Science Department. This internship has significantly enhanced my understanding of data analysis techniques and Python programming. The hands-on experience with real-world datasets and the guidance provided by the mentors have been invaluable. I am confident that the skills and knowledge gained during this internship will be instrumental in my academic and professional journey.



Valluri Prasanna

II B.Sc (Statistics)

Participating in the Python and Data Analytics Internship organized by the Computer Science Department was an enriching experience. The program provided hands-on exposure to real-world data analysis tasks, enhancing my understanding of statistical concepts and Python programming. The guidance and support from the mentors were invaluable, fostering a collaborative learning environment. This internship has significantly contributed to my academic growth and has equipped me with practical skills applicable in the field of data analytics.





COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Dommeti Hemasri Nagavalli Valluri Prasanna

II B.Sc (Chemistry)

I am grateful for the opportunity to participate in the Python and Data Analytics internship organized by our college's Computer Science Department. This internship provided hands-on experience with Jupyter Notebooks and Power BI, enhancing my skills in data analysis and visualization. The integration of Power BI within Jupyter Notebooks allowed for seamless embedding of interactive reports, enabling in-depth data exploration and storytelling. Working with real-world datasets and utilizing tools like pandas and DAX deepened my understanding of data manipulation and visualization techniques. Overall, this internship has significantly contributed to my proficiency in data analytics and has prepared me for future endeavors in this field.



Godi Rohith

II BCA

The internship provided valuable hands-on experience in data analysis and visualization using Jupyter Notebook and Power BI. Jupyter Notebook facilitated interactive coding and data manipulation, while Power BI enabled the creation of dynamic dashboards and reports. This combination enhanced my understanding of data analytics and equipped me with practical skills applicable in real-world scenarios.

