VAISHNAV P

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Professional Summary

Dynamic and detail-oriented Computer Science graduate with a strong foundation in data analysis, machine learning, and predictive modeling. Proficient in programming languages like Python and SQL, with hands-on experience in using data science tools such as Pandas, NumPy, and Scikit-learn. Skilled in extracting actionable insights from complex datasets and creating impactful visualizations using tools like Power BI. Demonstrated ability to solve real-world problems through projects in sentiment analysis and customer segmentation. Eager to leverage analytical expertise and enthusiasm for data-driven decision-making in a challenging data science role.

Work Experience

Ai Variant   Dec 2024 – Present
Data Science Intern
- Conducted exploratory data analysis (EDA) to uncover insights and trends in large datasets, helping to guide decision-making and model development.
- Developed and optimized machine learning models using Scikit-learn and Python, achieving significant improvements in model accuracy and performance.
- Collaborated with cross-functional teams to clean, preprocess, and visualize data for reports and presentations, facilitating data-driven business decisions.

Education

B.Tech   2020 - 2024
Computer Science and Engineering (CGPA: 7.17)   LBS College Of Engineering,Kasaragod

Class XII   2018 - 2020
biology Science (Score: 95.9%)   BARHSS Bovikan

Projects

Automatic Attendance Marker Using Face Recognition | *Python,Tkinter*
- Developed a robust automatic attendance marker using Python, integrating face detection with Haar Cascade classifier and face recognition via LBPH algorithm.
- Created a Tkinter-based graphical interface to display real-time attendance status and interact with the system effortlessly.
- Implemented CSV file handling to maintain accurate attendance records, demonstrating proficiency in data management and documentation.

Customer Segmentation Using K-Means Clustering | *Python, Scikit-learn, Matplotlib*
- Conducted customer segmentation for a mock retail dataset to group customers based on purchasing behavior.
- Preprocessed and scaled data using Python libraries like Pandas and Scikit-learn.
- Determined the optimal number of clusters using the Elbow Method and Silhouette Analysis.
- Visualized segmentation insights using Matplotlib and Seaborn, highlighting actionable marketing strategies.

Technical Skills

Languages: Python, MySQL, C, HTML&CSS

Data Science and Machine Learning: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Power BI ,Excel

Version Control & Collaboration: Git, GitHub

Certifications

- Data Science Job Simulation by BCG X(Forage)   **View Credential**
- Data Science Certification (ExcelR)   **View Credential**
- Python 101 for Data Science (Provided By IBM)   **View Credential**
- SQL Essential Training   **View Credential**

Achivements

Academic excellence with full A+ grades in SSLC and Higher Secondary.

Awarded Best NSS Volunteer, showcasing leadership and collaborative skills in team-based initiatives.