Vaishnavi

Aspiring Data Analyst | Python & SQL | Statistical Analysis | Data Visualization | Machine Learning

Contact

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Chennai

Data Analyst

Skills

Python SQL MySQL PostgreSQL Pandas NumPy Data Cleaning Data Preprocessing Exploratory Data Analysis (EDA) Statistical Analysis Descriptive Statistics Inferential Statistics Hypothesis Testing Correlation Analysis Regression Analysis Linear Regression Logistic Regression Data Visualization Matplotlib Seaborn Excel Machine Learning Scikit-learn Feature Engineering ETL (Extract Transform Load) Jupyter Notebook Git GitHub

Links

https://github.com/phobiccvaishu

https://www.linkedin.com/in/vaishnavi-singh-076aba343

Summary

Computer Science and Engineering undergraduate at SRM Institute of Science and Technology with a strong interest in Data Analytics, Statistical Analysis, and Business Intelligence. Skilled in Python, SQL, Pandas, NumPy, and data-driven problem-solving, with hands-on experience in data analysis, exploratory data analysis, statistical techniques, and machine learning concepts. Developed analytical projects involving workforce retention, employee attrition patterns, and recruitment intelligence. Interested in transforming raw data into meaningful insights, identifying trends, and supporting evidence-based decision-making. Eager to apply analytical skills to real-world business problems while gaining industry experience.

Experience

Data Analysis Intern — November 2026 – Present
Vyan AI

- Conducting structured research and data verification for a Northeast Meghalaya Community Homestays Audit.
- Collecting, validating, and organizing information from multiple sources.
- Maintaining evidence-backed records and documenting findings in structured spreadsheets.
- Applying analytical thinking and quality checks to improve data accuracy and reporting reliability.

Machine Learning Intern — Aug 2026 – Nov 2026
Unified Mentor

- Completed a project-based Machine Learning internship, developing practical skills in Python, data analytics, statistical analysis, and machine learning.
- Independently developed Workforce Intelligence, an employee retention analytics platform, analyzing 1,470 employee records to identify attrition patterns, retention opportunities, and organizational risk indicators.
- Built EduPro, a data analytics dashboard using Python and Streamlit, analyzing datasets covering 60 teachers, 60 courses, and 10,000 enrolments.
- Performed data preprocessing, exploratory data analysis, statistical analysis, feature engineering, and data visualization.
- Translated raw datasets into structured analytical insights and interactive dashboards to support data-driven decision-making.

Education

B. Tech Student — Aug 2024 - May 2028
SRM Institute Of Science And Technology

- B. Tech CSE Core Student

Projects

- Workforce Intelligence – Statistical Retention Analytics & Ethical Risk Hotspot Platform | Python, Pandas, Statistical Analysis, Data Visualization | Analyzed 1,470 employee records to investigate attrition patterns, identify retention opportunities, and evaluate organizational workload risks.
- Recruitment Intelligence Platform | Python, Data Analytics, Machine Learning | Research-oriented project focused on recruitment data analysis and intelligent insights to support recruitment-related decision-making.
- CareerPath Intelligence – Workforce Analytics Platform | Python, Machine Learning, Data Visualization | Developed analytical insights into workforce retention opportunities and organizational trends.
- ChronoSearch – Time-Aware Information Retrieval System | Python, FastAPI, Whoosh | Developed a search system for organizing and retrieving information using time-aware search techniques.

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