

PRACHI SINGH

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Professional Summary

Analytical and detail-oriented Computer Science and Engineering (AIML) student (B.Tech, 2025) with hands-on experience in Python programming, data analysis, and visualization. Skilled at cleaning and analyzing datasets, building automation scripts, and creating clear dashboards. Familiar with SQL, frontend development, and deployment tools. Passionate about solving real-world problems through data-driven approaches and eager to contribute to a growth-oriented organization.

Technical Skills

- Programming: Python, SQL
- Libraries/Frameworks: Pandas, NumPy, Matplotlib, Flask
- Visualization Tools: Power BI, Tableau
- Web Development: HTML5, CSS3, JavaScript
- Databases: MySQL
- Version Control & Deployment: Git, GitHub, Docker, CI/CD

Internship

Data Analysis Using Python — Intern Certify (Jan 2024 – Apr 2024)

- Cleaned and analyzed large datasets using Pandas and NumPy, improving reporting efficiency.
- Automated daily reporting scripts, saving manual work hours.
- Designed dashboards and visualizations to support decision-making.
- Practiced version control with Git and testing with PyTest.

Projects

■ Stock Price Prediction Website

- Built a simple web app using Flask, Python, HTML/CSS, and JavaScript to forecast stock prices.
- Integrated live stock APIs and created interactive data visualizations.
- Dockerized the application for smooth deployment.

■ Credit Card Fraud Detection (ML Project)

- Developed fraud detection models using Random Forest and SVM.
- Handled imbalanced datasets with SMOTE.
- Evaluated models on precision, recall, and F1-score, reducing false positives significantly.

■ Personal Portfolio Website

- Designed and deployed a responsive multi-page portfolio with HTML, CSS, and JavaScript.
- Hosted on GitHub Pages with smooth navigation and mobile-first design.

Education

- B.Tech in Computer Science & Engineering (AIML) — LNCT University, 2021–2025
- Class XII (CBSE) — DPS, 2019–2021
- Class X (CBSE) — Shanti Asiatic School, 2017–2019