Aviral Jain

+91 9131284281 | jainaviral2004@gmail.com | https://linkedin.com/in/aviral-jain-549465251 | GitHub

Technical Skills

- **Programming Languages**: Java, Python, HTML, CSS, JavaScript, SQL, MySQL.
- **Frameworks & Libraries**: Django, Flask, Git, Pandas, Scikit-learn, Matplotlib.
- **Web & Data Concepts:** API Integration, URL Routing, Data Pipelines.

Projects

Hostel Market | Github
- **Technologies:** Python, Django, HTML, CSS, SQLite3, Pillow
- Engineered a web-based marketplace enabling hostel students to efficiently buy and sell items, fostering a localized community exchange.
- Implemented comprehensive CRUD functionality for item listings, secured by robust user authentication and authorization, streamlining transaction processes.
- Integrated image upload capabilities and ensured accurate timezone localization (IST) for all listings, enhancing user experience and data integrity.

Engineering Student Journey | GitHub
- **Technologies:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Developed a comprehensive machine learning pipeline in Jupyter Notebooks to predict engineering student placement status, leveraging academic, personal, and extracurricular data.
- Conducted extensive data analysis and robust preprocessing, including feature engineering, handling missing values, and advanced categorical encoding.
- Evaluated multiple ML models (Logistic Regression, Decision Tree, Random Forest) for placement prediction, assessing performance with accuracy scores and detailed classification reports, and enabling custom student profile predictions.

Daily Motivation Generator | Github
- **Technologies:** Python, Flask, Google Gemini API, HTML, CSS, JavaScript
- Engineered a mood-aware web application utilizing the Google Gemini API to generate personalized affirmations.
- Developed Flask-based backend infrastructure to process daily API requests from Google Gemini, ensuring high uptime and seamless delivery of tailored motivational content.
- Designed an intuitive web interface that simplifies user interaction, providing instant encouragement and enhancing the overall user experience.

LinkedIn Job Data Visualization | GitHub
- **Technologies:** Python, Flask, Pandas, Chart.js, HTML, CSS
- Developed a Flask-based web application providing interactive visualizations for LinkedIn job data, analyzing company-wise, location-wise, and time-based hiring trends.
- Processed and analyzed real-world job posting data using Pandas to extract key insights, creating dynamic charts (Pie, Bar, Line) for top companies, locations, and historical trends.
- Designed a clean, user-friendly dashboard utilizing Chart.js for interactive data representation, enhancing accessibility to complex job market analytics.

Education

Vellore Institute of Technology, Bhopal	Bhopal, Madhya Pradesh
B.Tech in Computer Science and Engineering, CGPA: **8.87/10**	October 2022 - July 2026
Shree Swaminarayan Gurukul International School	Bangalore, Karnataka
Class XII, Percentage: **92.2%**	April 2021 - July 2022
Kendriya Vidyalaya Barkuhi	Chhindwara, Madhya Pradesh
Class X, Percentage: **83.2%**	April 2019 - July 2020

Achievements

- Industry Conclave 2024: Secured a finalist position among over 50 competing teams for developing an integrated platform for medical services, featuring a medical chatbot and AI-powered disease prediction from symptoms.
- Coding Challenge: Successfully completed the 365+ Days of Code challenge, solving 550+ problems on LeetCode.

Languages: Hindi (Native), English (Proficient)
Interests: Chess, Badminton