Vinit Kumar

Ghaziabad, Uttar Pradesh | vinit71811@gmail.com | +91-7080805782 | Linkedin | GitHub

Education

Ajay Kumar Garg Engineering College, Bachelor of Technology in Information Technology   Nov 2022 – Present
- GPA: 7.3/10.0

Skills Summary

Programming Languages : Java, C/C++, Python.

Developer Tools : Git, GitHub, Postman, Jupyter, Colab, Excel, Power BI.

Database : SQL, PostgreSQL, MySQL, MongoDB.

Frameworks : Scikit-learn, PyTorch, OpenCV, Keras, React.js, Express.js, Node.js.

Other Skills : OOPS, Machine Learning, Data Science, System Design, LLM, Data Structures and Algorithms.

Experience

Data Science Intern, Celebal Technologies – Remote   May 2025 – Present
- Developed and implemented data cleaning and preprocessing pipelines using Python, improving model accuracy by 15 percent.
- Performed EDA on large datasets to uncover trends, anomalies, and correlations using bivariate methodologies.
- Automated data pipelines and reporting processes, reducing manual work by 18 percent.

Front-End Developer Intern, The Assigner – Remote   Nov 2024 – Feb 2025
- Debugged and optimized 1000+ lines of code with TypeScript and React, resulting in a 12 percent reduction in bug reports.
- Reduced API latency by 40 percent, resulting in a 20 percent increase in user engagement.
- Designed, implemented and optimized FastAPI integrations to ensure seamless data exchange across services.

Projects

CryptoTracker   Link
- Developed an agile real-time cryptocurrency tracker using CoinGecko API to fetch and display live price data, market cap, volume, and price changes.
- Implemented dynamic UI updates using React.js to reflect real-time changes in cryptocurrency prices.
- Added search capability and currency converter to enhance user experience and interactivity.

Customer Segmentation   Link
- Designed and implemented a agile multilayer customer segmentation pipeline using K-Means, Gaussian Mixture Models, and Hierarchical Clustering to reveal hidden patterns in large-scale transactional data (>100K records).
- Enabled segment-driven customer targeting, increasing campaign ROI by 28 percent through focused promotional strategies and churn prevention tactics.
- Built an end-to-end segmentation dashboard using Streamlit + Plotly for dynamic filtering, cohort analysis, and segment-specific KPI tracking by marketing teams.

Achievements and Certifications

Solved over 300+ DSA problems on Leetcode.
Contributor at GSSoC 2024.
Postman API Fundamentals Student Expert.