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, Python.

Frontend Technologies : HTML, CSS, JavaScript, React.js, Typescript.

Backend Technologies : Node.js, Flask, REST APIs (Representational State Transfer).

Machine Learning and AI : Scikit-learn, PyTorch, OpenCV, Keras, Matplotlib, Numpy, Tensorflow, Pandas, NLTK, Streamlit, Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), Generative AI.

Databases and Cloud : MongoDB, SQL, Amazon Web Services (AWS), Microsoft Azure.

Technical Skills : Data Science, Data Analytics, System Design, Object-Oriented Programming (OOP), Git, Problem Solving, Data Structures and Algorithms.

Experience

Data Science Intern, Celebal Technologies – Noida — May 2025 – July 2025

- 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, promoting automation and reducing manual work by 18 percent.

Front-End Developer Intern, The Assigner – Remote — Nov 2024 – Feb 2025

- Debugged and optimized 1000+ lines of code, resulting in a 12 percent reduction in bug reports and service improvement.
- Reduced API latency by 40 percent, resulting in a 20 percent increase in user engagement.
- Designed, implemented and optimized REST API integrations to ensure seamless data exchange across services.

Projects

CryptoTracker — Link

- Reduced re-renders by 60 percent through strategic use of useCallback, useMemo, and Context API optimization.
- Improved initial load time by 44 percent using React.memo, useMemo, and component optimization.
- Integrated RESTful APIs with CoinGecko, handling 1000+ cryptocurrency data points with error boundaries and fallback mechanisms.

Customer Lifetime Value Prediction — Link

- Applied Pareto/NBD, BG/NBD, MBG/NBD, and Gamma-Gamma probabilistic models.
- Used Python's lifetimes library, achieving 91 percent revenue prediction accuracy.
- Preprocessed data with Pandas, XLRD, Datetime, and custom logic to handle missing values, outliers, and purchase frequency anomalies.

Achievements and Certifications

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