Vinayak Pandey

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github.com/vinayak912002 | leetcode.com/Vinayak-Pandey/

Education

VIT Bhopal University, B.Tech in Computer Science   Nov 2022 - current
- GPA: 8.5/10 (Tentative)

M.G.M. Higher secondary school , class 12   2020-2021
- percentage : 91.4

M.G.M. Higher secondary school , class 10   2018-2019
- percentage : 94.6

Skills

Programming languages
- Java (proficient), Python (intermediate), C++ (basic), HTML (basic), JavaScript (basic), CSS (basic)

Technical Concepts
- Data structures and algorithms, Operating systems, Computer Networks, DBMS, DevOps, AIML

Tools and Technologies
- Git, Github, seaborn, pandas

Projects

MLOps Pipeline with ZenML and MLflow
- Developed and deployed a scalable MLOps pipeline using ZenML for workflow orchestration, automating data preprocessing, model training, evaluation, and versioning, reducing manual effort by 40%.
- Automated data preprocessing, model training, evaluation, and versioning, reducing manual effort by 40%.
- Utilized MLflow for model tracking and experiment logging, improving reproducibility and debugging efficiency by 30%.
- Designed a modular architecture, facilitating rapid cloud migration with minimal reconfiguration.

Expense Tracker | React and Spring Boot
- Built a full-stack CRUD application using React (frontend) and Spring Boot (backend), ensuring seamless UI/UX and efficient data management.
- Developed and optimized RESTful APIs with Spring Boot, improving backend performance and scalability.
- Integrated React hooks, state management, and responsive design to enhance frontend usability and maintainability.

Technocats Society website | React and Vercel
- Led the development and deployment of a React-based frontend application on Vercel, ensuring high availability and performance.
- Configured and linked an external domain via DNS, enhancing accessibility and brand presence.
- Visit the website

Achievements

Open-Source Contributor – PyTorch
- Improved code efficiency by **performing dead code elimination**, reducing technical debt and optimizing performance.
- Collaborated with the open-source community, adhering to best practices in **code optimization, linting, and PR reviews**.