VISHAL PATIL

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Education

Vishwakarma Institute of Technology (VIT)   Nov 2022 – May 2025
Bachelor of Technology in Computer Engineering   *8.93 CGPA*

Government Polytechnic, Nashik   June 2019 – July 2022
Diploma In Computer Technology   *94.81%*

Experience

OPAM Technologies   June 2023 - September 2023
Full Stack Web Intern (MERN Stack)

- Developed an an React web application with Node.js backend
- Constructed Web application, **Catering to PC Support and Dairy Farm.** Execute comprehensive e-commerce functionalities to enhance user experience and Client hardware verification system for authenticity.

Projects

Data Visualization in Java | *JAVA, OOP, Swing, SQL Commands*

- Engineered desktop data visualization for student marking system, optimizing efficiency.
- Incorporated JavaFX GUI, integrating Pie charts, Bar graphs for enhanced data visualization.
- Accelerated data input for 72 students in class, coupled with insightful visualizations, resulting in an 80% increase in efficiency and time savings.

Customer Engagement and Churn Analysis | *Python, matpotlib, numpy, pandas*

- Identifying patterns in user behavior to predict and reduce churn, thereby enhancing user retention.
- Techniques used include exploratory data analysis (EDA), machine learning algorithms (e.g., logistic regression, decision trees, random forests), and survival analysis.

PDF Insight | *Fine-tuned LLM, langchain, Embedding, Streamlit*

- Developed an AI-powered platform for PDF research, leveraging advanced LLM, Langchain, and embeddings. Transformed passive documents into dynamic, interactive resources for rapid insights and reliable performance.
- Empowered users to query PDFs for relevant answers, specialized from the trained data and the specific PDF. Provided visual answers extracted from keywords, with appropriate visual representation .

Automated CI/CD Pipeline AWS, Github | *EC2, Codebuild, Codedeploy, S3 storage, CMD*

- Developed codepipeline that builds, **tests, and deploys** your code every time there is a code change, based on the release process.
- **Modeled and automated** the steps required to release the software using AWS services like KMS, IAM.

Technical Skills

Proficient Skills: Java, Python, React, NodeJS, SQL, GitHub
Proficient Concepts: Object Oriented Programming, Operating Systems, DBMS

Achievements / Certificates

Rajastan Police Hackathon Winner- *48-hour hackathon, with the theme of "Safer Environment for Public."*
Technical Lead - *Representing technical team of Quark student club*
JAVA 8 Advance - *Focusing on core of Java Programming by Infosys Springboard*

Publications

Spatiotemporal Anomaly Detection and Caution System Powered by LRCN
Published in IEEE International Conference on Emerging Innovations and Advanced Computing

- Advanced crime prevention system utilizing LRCN with a remarkable 92.20% accuracy. Swiftly detects and classifies anomalous human activities, ensuring rapid intervention for enhanced security.