Aliraza Shinde

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LinkedIn | GitHub | Leetcode

Work Experience

Infosys - Airbus   *Oct 2022 - Dec 2024*
System Engineer — React, Node.js, Express, Docker

- Reduced query turnaround time by 30% by implementing security authentication services in a single call and modularized services in MVC format.
- Maintained a structured documentation system using JSDoc and Swagger for backend services, enhancing team productivity and reducing onboarding time by 40%.
- Carried out unit testing as well as regression testing to verify deliverables.
- Worked on RESTful routes and implemented route-masking for security.
- Co-ordinated with teams to convert ODATA based services to REST for Airbus internal portal to improve data fetching from SAP systems faster by reducing query times.
- Built a reliable data migration pipeline using Node.js scripts and MongoDB utilities, automating the transition from legacy systems and eliminating manual intervention.
- Collaborated in an Agile development environment, participating in sprint planning, daily stand-ups, and retrospectives.

GlobalShala   *Dec 2021 - Jan 2022*
Data Analyst — Python, Tableau, R

- Coordinated with the financial and marketing team and created Visualization from the advertisement campaign data to assist in discontinuation of loss making advertisements and increased profit by 15%
- Created charts and reports using R programming, python and tableau for financial and marketing teams as evidence using data.
- Generated predictions using Linear Regression and created reports for stakeholders to understand conclusions

Technical Skills

Languages/Frameworks: Java, SpringBoot, Node.js, React, HTML, CSS, JS, Python
Databases/Cloud: AWS (S3, Lambda, EC2, DynamoDB), MySQL, MongoDB
Tools: Git, GitHub, Docker, VS Code

Projects

GNN Summarizer (Link)   *April 2025 - May 2025*
Python, Pytorch, pytorch geometric, transformers, networkx

- Carried out preprocessing using Knowledge graphs with networkx to build robust contextual learning graphs
- Used GNN to improve expected ROUGE-1 score for legal text summarization

YelpCamp (Link)   *Dec 2023 – Jan 2024*
Javascript, HTML, CSS, Bootstrap, Express, Node, MongoDB, Render

- End-to-end application with Express, Node.js, MongoDB, Javascript and CSS.
- Created templates using EJS, carried out session management.
- Implemented authentication using PassportJS and added security features using Helmet.
- Implemented geospatial JSON to integrate maps functionality to pinpoint locations.

FlixHub (Link)   *Sep 2023 – Oct 2023*
React, MongoDB, Python

- Used TMDB API to populate data and added filters for different genres
- Implemented custom cosine-similarity algorithm to generate movie recommendations based on the users' previous choices

Education

Clemson University, Clemson, SC   *Dec 2026*
M.S. in Computer Science

University of Mumbai, India   *May 2022*
B.E. in Computer Engineering

Publications

AI in Entertainment - Using Cosine Similarity   *Jan 2023*
IEEE Xplore