Ayaan Shaikh

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CAREER OBJECTIVE

Results-driven full-stack developer (MERN) with expertise in Data Structures & Algorithms and UI/UX design. Proficient in building scalable, real-time applications with React and Node.js. Passionate about solving complex problems and optimizing user experiences through innovative software solutions

EDUCATION

B.Tech, Computer Science & Engineering   2023 - 2027
Walchand Institute Of Technology (W.I.T)

B.Tech, Computer Science & Engineering   2021 - 2027
Wal

CGPA: 9.52/10

Senior Secondary (XII), Maharashtra State Board Of Secondary And Higher Secondary Education   2023
Science

Walchand College Of Arts And Science, Solapur

Percentage: 78.60%

Secondary (X), Maharashtra State Board Of Secondary And Higher Secondary Education   2021
Little Flower Convent High School, Solapur

Percentage: 88.00%

TRAININGS / CERTIFICATIONS

Data Analysis And Machine Learning   **Full Stack Development**
Jun 2025 - Present   Sep 2024 - Present

udemy, Virtual   100xDevss, Virtual

PORTFOLIO

[GitHub link ↗](#)

PROJECTS

Structured ML Pipeline for Student Performance Prediction. ↗
Sep 2025

1. Engineered an end-to-end supervised learning pipeline to predict student academic performance using regression models.
2. Designed and implemented modular components for data ingestion, preprocessing, feature engineering, and model training to ensure a reproducible and maintainable workflow.
3. Optimized model accuracy by performing systematic hyperparameter tuning and comparing multiple algorithms, achieving a final R^2 score of 0.88.
4. Architected and deployed a scalable prediction service using a Flask REST API and WSGI server, making the model accessible for real-world applications.
5. Tech Stack: Python, scikit-learn, NumPy, pandas, Flask, WSGI.

AI-Powered Interview Companion – Full-Stack SaaS Platform ↗
Jul 2025 - Present

AI Interview Companion is a real-time voice-based AI that simulates mock interviews tailored to specific roles. It helps users practice behavioral and technical questions in a realistic setting. The AI gives honest, contextual feedback to improve confidence and communication. Built with Next.js, Supabase, Clerk, and Vapi SDK for smooth voice interaction. All sessions are tracked and stored, allowing users to revisit and reflect. A smart, scalable tool to level up interview prep from home.

Unsupervised Anomaly Detection System for Financial Transactions

Oct 2025 - Present

1. Developed an unsupervised anomaly detection system to identify potentially fraudulent financial transactions from highly imbalanced datasets.
2. Evaluated multiple algorithms including Isolation Forest, DBSCAN, and One-Class SVM, selecting DBSCAN for its superior performance of 86% recall and 0.83 ROC-AUC.
3. Constructed a reusable ML pipeline incorporating StandardScaler and PCA for preprocessing, designed for easy application to other domains like cybersecurity and IoT.
4. Deployed the optimized model as a Flask REST API, providing a real-time anomaly scoring service for incoming transactions.
5. Tech Stack: Python, scikit-learn, NumPy, pandas, Flask.

SKILLS

- C++ Programming
- JavaScript
- CSS
- Next.js
- SQL
- GitHub

- Python
- TypeScript
- Node.js
- NoSQL
- PostgreSQL
- Socket.IO

- Java
- HTML
- Express.js
- MongoDB
- Git
- Docker

ADDITIONAL DETAILS

- Solved 350+ DSA problems across platforms like LeetCode, Coding Ninjas, Code chef with a top 5% global ranking Achieved a rating of 732 on codeforces and a rating of 1041 on codechef.