

SYED FARHAN AHMED

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LinkedIn — GitHub

Summary

AI/ML undergraduate with strong programming skills in Python and experience building AI-powered applications, computer vision systems, and scalable full-stack web applications. Passionate about software engineering, distributed systems, backend development, and solving complex algorithmic problems through clean and efficient code.

Education

Atria Institute of Technology

Bachelor of Technology (B.Tech), Artificial Intelligence and Machine Learning
CGPA: 8.45 / 10.0

Bengaluru, India

Expected Graduation: 2027

Technical Skills

Programming Languages: Python, Java

Frameworks: Django, Streamlit

Libraries: Numpy, Pandas, OpenCV

Databases: MySQL, SQLite

Tools: Git, GitHub, VS Code, PyCharm

Concepts: OOP, DSA, Operating Systems, Computer Networks, REST APIs

Projects

Career Catalyst – AI-Powered Career Guidance Platform

GitHub

Python, Django, HTML, CSS, JavaScript, SQLite, OpenCV

Built a full-stack career guidance platform using Django to help engineering students with personalized career planning, interview preparation, and placement readiness. Implemented secure authentication, role-based access, personalized dashboards, and modular architecture following software engineering best practices. Developed an AI-driven recommendation system to suggest career paths, learning resources, and interview preparation based on user profiles and interests. Integrated an AI-powered assessment module with computer vision-based online proctoring for automated monitoring during mock technical assessments.

Eye-Controlled Mouse using Computer Vision

GitHub

Python, OpenCV, MediaPipe, NumPy

Built a real-time computer vision system for hands-free cursor control using Python, OpenCV, and MediaPipe Face Mesh. Implemented eye-gaze tracking and blink detection using facial landmark estimation for intuitive user interaction. Designed a modular architecture to improve maintainability, debugging, and future feature enhancements.

CodeMind – AI Coding Assistant

GitHub

Python, Streamlit, Groq API

Developed an AI-powered coding assistant using Streamlit and the Groq API with real-time streaming responses. Integrated LLM APIs and modular architecture for scalable, maintainable code. Designed a modern glassmorphism interface to enhance user experience and responsiveness.

Django To-Do App

GitHub

Python, Django

Built a Django CRUD application enabling users to efficiently create, update, complete, and delete tasks using Django ORM and a modular backend architecture. Leveraged Django ORM for database operations and implemented clean backend architecture.

Django Weather App

GitHub

Python, Django, Weather API

Built a weather application integrating a third-party REST API to retrieve real-time weather information. Implemented dynamic city-based search with user-friendly interface and API response handling.

Tricky Question Fun Game

GitHub

Python, Streamlit

Developed an interactive trivia game with dynamic question flow and real-time score tracking. Designed an engaging Streamlit interface to provide an intuitive user experience.

Relevant Coursework

Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Database Management Systems, Operating Systems, Computer Networks, Software Engineering

Strengths

- Quick to learn and apply new technologies and APIs independently.
- Effective communication and collaboration in team-based project work.
- Strong attention to UX and code quality, evidenced by consistent focus on clean architecture across projects.

Achievements

- Solved **100+** Data Structures and Algorithms problems across coding platforms.
- Built and deployed 5+ end-to-end AI, computer vision, and full-stack web applications using Python and Django.
- Maintained a CGPA of **8.45/10** while actively developing practical software engineering projects.