SYED AFTAB AHMED MADNI

aftabmadni7118@gmail.com | 7676037118 | Bengaluru, Karnataka, India

· LinkedIn   · GitHub   · Portfoilo

EDUCATION

B.Tech in Computer Science Engineering
R V College of Engineering, Bengaluru

2023-current
CGPA : 9.50 / 10.00

12th Karnataka State Board
Pramana Pu College, Raichur

2021-23
PU Board : 93 %

10th Karnataka State Board
S.R.S High School, Raichur

2011-21
KSEEB result : 91.68 %

SKILLS

Programming Languages: C, C++, Python, JavaScript, Java

Frameworks: React.js, Node.js, Express.js, Next.js

Databases: MySQL, MongoDB

Tools: Git, GitHub, VS Code, Selenium

Core Skills: Data Structures and Algorithms, Object-Oriented Programming (OOP), Operating Systems, Computer Networks, REST API Development

Additional Skills: Linux, Backend Development, Frontend Development, Debugging, Problem Solving

PROJECTS

Chat2Geo – AI-Based Geospatial Analysis Platform | Next.js, Google Earth Engine, GCP
- Built an AI-powered full-stack geospatial web application using Next.js, Google Earth Engine, and Vertex AI for satellite-based land cover, UHI, and change-detection analysis.
- Implemented a chat-based natural language interface using OpenAI API and LangChain (RAG) to execute geospatial queries and integrate document-based knowledge.
- Developed backend services and REST API integrations on Google Cloud Platform (Cloud Run) with interactive map visualizations using MapLibre GL and Turf.js.

EduNova AI – AI-Powered Learning Management SaaS | Next.js, Stripe, Supabase
- Developed a full-stack LMS SaaS application using Next.js with backend development powered by Supabase (PostgreSQL, Auth, Storage).
- Implemented subscription-based billing and payments using Stripe and secure authentication with Clerk, enabling role-based access control.
- Integrated AI voice tutors using Vapi AI and built a responsive UI with Tailwind CSS and shadcn/ui, with monitoring via Sentry.

DeepForensics – Deepfake Detection System | Python, PyTorch, Django
- Built a deep learning–based computer vision system using Python and PyTorch, leveraging ResNeXt CNN and LSTM for video deepfake detection.
- Trained and evaluated models on large video datasets, achieving 93.5% detection accuracy.
- Developed and deployed a Django-based backend web application, fully Dockerized for scalable and portable execution.

CERTIFICATIONS

Data Science for Engineers | NPTEL – Data Analysis, Statistics, Machine Learning

Decision Modelling | NPTEL – Quantitative Decision Making, Simulation, Analytical Modeling

Full Stack Web Development | Udemy – JavaScript, React, Next.js, Backend Development

Python Programming | Udemy – Python, Problem Solving, Automation

Prompt Design in Vertex AI | Google Cloud – Prompt Engineering, LLM Optimization

Develop GenAI Apps with Gemini & Streamlit | Google Cloud – Generative AI, Application Development

ACHIEVEMENTS

- Qualified **JEE Advanced** with Category Rank 1458 and General Rank 10,667
- Achieved **KCET** Rank 1061