

# SYED AFTAB AHMED MADNI

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· LinkedIn

· GitHub

· Portfolio

## 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