

# Sufiyan Ahmed S A |

AI/ML Engineer & Software Developer

Gopala, Shivamogga – Karnataka, India

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⌚ Sufiyan-2003 • Born: May 16, 2003

## Professional Summary

AI/ML Engineer and Software Developer experienced in Machine Learning, Deep Learning, NLP, Computer Vision, and full-stack web development. Skilled in model training, system design, and API deployment. Passionate mentor who has trained 150+ students through workshops and hackathons.

## Education

### PES Institute of Technology and Management

B.E. in Artificial Intelligence & Machine Learning, Expected 2026

Shivamogga

2022–2026

Relevant Coursework: ML, DL, NLP, CV, Mathematics for AI, MERN Stack

## Technical Skills

**Programming:** Python, JavaScript, Java, C, SQL, Object-Oriented Programming

**Data Science:** NumPy, Pandas, SciPy, Matplotlib, Seaborn

**Machine Learning:** Linear & Logistic Regression, Decision Trees, Random Forests, Gradient Boosting (XGBoost, LightGBM), scikit-learn

**Deep Learning:** Neural Networks, CNNs, Model Fine-tuning, TensorFlow, PyTorch

**NLP & LLMs:** DistilBERT, Tokenization, Text Classification, Large Language Models (LLMs)

**Computer Vision:** OpenCV, Image Processing, Feature Extraction

**Web & APIs:** Flask, REST APIs, Model Serving, Backend Integration

**Databases:** MongoDB, MySQL, Firebase

**Cloud & DevOps:** Docker, Cloud-Based Platforms, Deployment Pipelines

**Tools:** Git, GitHub, Heroku

## Professional Experience

### Webschedio Pvt. Ltd.

Shivamogga

Full-Stack Developer Intern

Mar–Jul 2024

○ Built responsive UI components using React, HTML, CSS, JavaScript

○ Integrated REST APIs and improved UI/UX consistency

○ Developed reusable components boosting dev efficiency by 30%

## Key Projects

### NewsSense — AI News Classifier

2025

Technologies: DistilBERT, Flask, NLP

○ Fine-tuned DistilBERT achieving 92% accuracy

○ Built production-ready Flask inference API

○ Implemented optimized preprocessing & class balancing

## **AI Smart Hiring System (Virtual Hiring Platform)**

*Technologies: Python, Machine Learning, Flask, SQL, Docker*

2025

- Designed an AI-driven system for automated candidate screening
- Applied ML techniques for resume analysis and candidate scoring
- Built Flask-based REST APIs for recruiter interaction

## **Real-Time AQI Monitoring System**

*Technologies: Flask, WAQI API, JavaScript*

2025

- GPS-enabled AQI tracker with live updates
- Visualized AQI trends using interactive charts
- Built auto-refresh environmental monitoring

## **Scam Email Detection Tool**

*Technologies: ML, Python*

2025

- Hybrid ML + rule-based phishing detection
- Behavior-aware threat analysis
- Achieved 88% detection accuracy

## **Image Steganography Web App**

*Technologies: Flask, Cryptography*

2025

- AES-encrypted LSB steganography
- PSNR-based quality check
- Simple UI for secure message handling

## **Virtual Pitch & Drop**

*Technologies: OpenCV, Motion Tracking*

2024

- Real-time gesture tracking and accuracy analysis

## **Virtual Sound Controller**

*Technologies: Python, OpenCV, MediaPipe, Computer Vision*

2024

- Developed a gesture-based system to control system volume in real time
- Used hand landmark detection for dynamic volume mapping

## **Teaching & Mentorship**

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- Conducted 6-day Full-Stack Development workshop for 60+ AIML students
- Mentored 150+ students in AI/ML, web dev, and project building
- Guided multiple teams in WE-ENV 12-hour hackathon

## **Achievements**

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- Delivered 10+ AI/ML & full-stack projects end-to-end
- Recognized for technical mentorship and departmental contributions
- Active open-source and community educator

## **Certifications**

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**2021:** Hardware & Networking — Training in PC hardware, diagnostics, and network setup

**2024:** Generative AI Workshop — NxtWave

**2024:** Full-Stack Development Workshop Certification

**2024:** Machine Learning Specialization — Professional Development