

# Sufiyan Ahmed S A |

AI/ML Engineer & Software Developer

Gopala, Shivamogga – Karnataka, India

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• Sufiyan-2003 • Born: May 16, 2003 • Pen name: Muraad

## Professional Summary

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AI/ML Engineer and Software Developer with hands-on experience in Machine Learning, Deep Learning, NLP, Computer Vision, and full-stack web development. Strong foundation in model training, system design, and API deployment. Passionate mentor who has trained 150+ students in AI/ML and Web Development through workshops and hackathons.

## Education

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### 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

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**Languages:** Python, JavaScript, Java, C

**Web:** React, Node.js, Express, HTML5, CSS3, Flask

**Databases:** MongoDB, MySQL, Firebase

**AI/ML:** PyTorch, TensorFlow, scikit-learn, OpenCV, DistilBERT

**Tools:** Git, GitHub, Docker, REST APIs, Heroku

**Expertise:** Model Fine-tuning, Image Processing, API Development

## Professional Experience

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### 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

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### 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

### Real-Time AQI Monitoring System

2025

Technologies: Flask, WAQI API, JavaScript

○ GPS-enabled AQI tracker with live updates

○ Visualized AQI trends using interactive charts

○ Built auto-refresh environmental monitoring

### Scam Email Detection Tool

2025

*Technologies: ML, Python*

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

### **Image Steganography Web App**

2025

*Technologies: Flask, Cryptography*

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

### **Virtual Pitch & Drop**

2024

*Technologies: OpenCV, Motion Tracking*

- Real-time gesture tracking and accuracy analysis

### **PulseAid — AI First-Aid Assistant**

2024

*Technologies: CV, Python*

- Injury detection prototype with CV region mapping
- Generated step-wise first-aid instructions

## **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

## **Interests**

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AI Research, Image Processing, Robotics & IoT, Teaching, Urdu Shayari (*Muraad*), Photography