HEMANTH KUMAR C S

Email: hemanthreads@gmail.com | **Phone:** +91 8884862170 | **LinkedIn:** [Hemanth Kumar C S](#)

OBJECTIVE

Final-year AI & ML Engineering student seeking internship opportunities to apply expertise in machine learning, deep learning, and computer vision. Proven track record in developing end-to-end AI solutions with strong problem-solving abilities and hackathon success.

EDUCATION

B.E. Computer Science & Engineering - AI & ML Specialization

ATME College of Engineering | VTU | Expected 2026 | **CGPA: 8.28/10 (Current)**

Coursework: Machine Learning, Deep Learning, Computer Vision, DSA, DBMS, Software Engineering

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TECHNICAL SKILLS

Programming Languages: Python, Java, C, R, HTML, CSS

ML/AI Frameworks: TensorFlow, Keras, scikit-learn, OpenCV, YOLO, MediaPipe

Web/Databases: Flask, Streamlit, MongoDB, MySQL, Supabase, Firebase

Tools & Platforms: Git, Jupyter Notebook, Google Maps API, Tableau, PowerBI, Kali Linux, Wireshark, Nmap, Aircrack-ng

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PROJECTS

StreeRaksha - Women's Safety Platform | *Computer Vision Engineer*

- AI-powered threat detection system with real-time gender classification and pose analysis
- Integrated YOLO, MediaPipe for person detection, tracking, and distress gesture recognition
- Built multi-threaded processing architecture with priority queues for optimized performance
- Developed automated alert system with Firebase integration and evidence collection
- **Tech:** Python, OpenCV, YOLO, MediaPipe, React Native, Firebase, Raspberry Pi

Skin Disease Detection System | *Deep Learning Developer*

- Achieved 89% accuracy in disease classification using ResNet50 on 10,000+ medical images
- Implemented class weighting and data augmentation for improved model generalization
- **Tech:** Python, TensorFlow, Keras, ResNet50, scikit-learn

Move Mentor - Bus Transportation System | *Team Lead & Full-Stack Developer*

- Real-time tracking system for students with 99.9% uptime, reducing wait times by 40%

- Developed role-based access system and route optimization features

- **Tech:** Python (Flask), MongoDB, Google Maps API, HTML, CSS, JavaScript

Disease Prediction System | *Machine Learning Engineer*

- Built ML model with 85% accuracy for early disease detection from health parameters

- Developed web interface processing parameters in real-time

- **Tech:** Python, scikit-learn, Pandas, Streamlit

EXPERIENCE

Media Head | *IET onCampus ATMECE | 2024 - Present*

- Led content strategy for 60+ member technical society, increasing engagement by 60%

- Organized 7+ technical events and workshops, with 90% attendance rate

- Organisation committee member for hackathon **TechAvishkar 2.O** (ATMECE | 2025)

Cybersecurity Intern | *Academor* (*Remote*) | *2023*

- Completed comprehensive training in network security and ethical hacking

- Gained hands-on experience with penetration testing and vulnerability assessment

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ACHIEVEMENTS & CERTIFICATIONS

Competition Achievements

- **Winner** - "Invaders" Hackathon, MIT Mysuru (2023)

- **Runner-up** - "Code Battle 2K25", KLSVDIT Haliyal (2025)

- **Finalist** - "RVCExIITB CTF 24", RV College of Engineering Bangalore (2024)

- **Participant** - Multiple hackathons including Symbiot (VVCE), Hack Kshetra (VVCE), Fusion Techackathon (AIET)

- **Certifications:** Infosys Springboard (ML with TensorFlow, Web Dev, Cybersecurity), Oracle SQL, Tableau

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ADDITIONAL INFORMATION

Languages: English (Fluent), Kannada (Native), Hindi (Conversational)

Interests: ML Engineering, Software Developer, AI Research, Cybersecurity

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Available for internships starting immediately | Open to relocation