

Hariharan Narlakanti

Software Development Engineer — B.Tech CSE (AI/ML)

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SUMMARY

Final-year CSE (AI/ML) student with strong foundation in algorithms, data structures, AI/ML, and scalable web applications. Experienced in full-stack development, distributed computing, cloud deployment, and system design. Proven ability to optimize performance and deliver production-ready solutions. Seeking a Software Engineer role to contribute to large-scale systems and AI solutions.

EDUCATION

- Malla Reddy University**, Hyderabad — B.Tech CSE (AI/ML), 2022–2026, CGPA: 8.76/10
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Machine Learning, Database Management

SKILLS

Languages: Java, Python, JavaScript — SQL
Frameworks & Tools: React.js, Node.js, Express.js, TensorFlow, PyTorch, OpenCV, Git
Databases: MySQL, MongoDB
Systems & Cloud: Unix/Linux, TCP/IP, Distributed Systems, AWS, System Design
Core CS: Data Structures & Algorithms, OOP, Operating Systems, Computer Networks

EXPERIENCE

Full Stack Developer Intern — SmartInternz (Remote) May-July 2025

- Developed full-stack web application (React.js, Node.js, MongoDB) with secure authentication and RESTful APIs.
- Implemented database optimization techniques and collaborated in Agile development workflows.
- Gained hands-on experience in CI/CD pipelines and automated testing for scalable deployment.

PROJECTS

AgroAid — Multilingual AI Crop Diagnosis GitHub

- Built comprehensive NLP + ML pipeline supporting 5+ regional languages for crop disease diagnosis.
- Implemented CNN model using TensorFlow with data preprocessing and deployed on AWS cloud infrastructure.

VoiceVibes — Speech Emotion Recognition GitHub

- Engineered RNN/CNN models with MFCC feature extraction for real-time emotion detection from speech.
- Processed large-scale audio datasets (RAVDESS & SAVEE) and developed REST API for model deployment.

Helmet Detection — Real-Time Computer Vision GitHub

- Built CNN-based helmet detection system using TensorFlow and OpenCV for industrial safety monitoring.
- Implemented video processing pipeline with real-time alert notifications and edge deployment capabilities.

Season-Spot — Weather-Based Recommendation GitHub

- Developed intelligent recommendation system integrating real-time weather APIs and geolocation services.
- Implemented caching strategies and performance optimization techniques for improved user experience.

ACHIEVEMENTS & LEADERSHIP

- Academic Excellence:** Maintained 8.76 CGPA demonstrating strong performance in core computer science subjects.
- Progressive Learning:** Self-directed learning journey from Python basics to full-stack development and cloud computing.
- Technical Portfolio:** Successfully developed 4 comprehensive projects spanning AI/ML, computer vision, and web development.
- Professional Growth:** Completed internship gaining practical experience in scalable web application development.