

# G Karthik Koundinya

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## PROFESSIONAL SUMMARY

Pre-final year **Computer Science student** with expertise in **AI/ML, MERN stack, and Data Structures & Algorithms**. Delivered **10+** production-grade solutions spanning **full-stack web apps, NLP systems, and computer vision**. Skilled in scalable architectures, **optimization**, and **problem-solving**. Actively seeking **high-impact software engineering or AI roles** globally.

## CORE SKILLS

**Languages:** Python, Java, JavaScript (ES6+)    **Frameworks:** React.js, Node.js, Express.js, Flask, FastAPI, Next.js  
**AI/ML:** NLP, Transformers, TensorFlow, HuggingFace, OpenCV, XGBoost    **Databases:** MongoDB, MySQL, PostgreSQL

**Tools:** Git, Docker, Jenkins, REST APIs, Tailwind CSS, Cloudinary

**Other:** DSA (CodeChef 3), Agile, SEO Optimization

## EXPERIENCE

### Web Development & SEO Intern

*Badakarobar — Mar 2025 – Jun 2025*

- Engineered **dynamic landing pages** using **HTML5, Tailwind CSS, and JavaScript**, improving page speed by **45%**.
- Implemented **SEO strategies & schema markup**, boosting **organic traffic by 2.5x** and securing **top-10 SERP rankings**.
- Automated **SEO audit workflows** via Python, reducing maintenance time by **60%**.

### AI & Machine Learning Intern

*YBI Foundation — Jun 2024 – Jul 2024*

- Built **ML pipelines** using **Scikit-learn, TensorFlow, and HuggingFace**; deployed **BERT-based sentiment analysis and recommendation systems**.
- Delivered predictive models for **housing prices & luxury products** with **>90% accuracy** using **XGBoost & regression techniques**.

### Web Development Intern

*InternPedia — Apr 2024 – May 2024*

- Transformed **Figma designs** into responsive web pages using **HTML, CSS, and Bootstrap**, ensuring **WCAG accessibility compliance**.

### Software Engineering Virtual Experience

*Accenture — Aug 2024 – Sep 2024*

- Refactored **Java modules** and built **Jenkins CI pipelines**, reducing **production defects by 60%**.

## KEY PROJECTS

**Lost & Found Web App (MERN):** Scaled to **1,000+ campus users**; implemented **JWT auth & Cloudinary**, improving recovery efficiency by **60%**.

**AgriSure (Flask):** Automated crop insurance workflows for **500+ farmers**, reducing manual errors by **70%**.

**AI-Powered Search Platform (FastAPI + React):** Developed **NLP-based query expansion** using **T5/BART**, reducing latency.

**Fog4Det (FastAPI + Next.js):** Built real-time fog detection system using **OpenCV**, enabling **low-latency driver alerts**.

*More Projects: [GitHub Profile](#)*

## EDUCATION

### B.Tech in Computer Science & Engineering

Geethanjali College of Engineering & Technology, Hyderabad

*Graduation: 2027 (Pre-final Year)*

## CERTIFICATIONS

**Oracle OCI AI Foundations, MongoDB Certified Developer, Oracle Java & SQL, Generative AI (Microsoft, AWS, Databricks), ML with Python (IBM), Deep Learning (LinkedIn), GitHub Foundations, Software Engineering & DevOps (IBM)**

## ACHIEVEMENTS

### CodeChef 3★ :

Solved **500+** DSA problems; built and deployed **10+** full-stack & AI projects.