

# 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**.