G. Karthik Koundinya

Third-Year B.Tech CSE Student | AI & Full-Stack Developer | 5+ Internships | 10+ Certifications | 6+ Projects

📍 Hyderabad, India

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🔗 Portfolio | GitHub | LinkedIn

✦ Profile Summary

Computer Science undergraduate (2027) with a proven track record in deploying AI-powered and full-stack systems across real-world use cases. I've interned with organizations like **Viswam.AI (Meta & IIIT-H collaboration)** and **Badakarobar**, building and scaling intelligent systems used by **1,000+ users**. My projects span **LLM fine-tuning, Fog Detection Systems, NLP-powered search,** and **AI-driven financial tools**.

I'm currently open to **AI/ML Research**, **Software Engineering**, and **Full-Stack Developer** internships where I can apply my expertise in **FastAPI, React, HuggingFace, Flask, MongoDB**, and more.

💼 Experience

AI Developer Intern – *Viswam.AI (Swecha, IIIT-H, Meta, TASK, HYSEA)*
May 2025 – Present - Fine-tuned custom LLMs using real-world datasets and deployed AI-driven solutions under mentorship from engineers at Meta and IIIT-H. - Built scalable data pipelines, introduced MLOps practices, and evaluated model performance metrics across production-grade environments. - Contributed to open-source AI systems aligned with ethical AI standards.

Web Development & SEO Intern – *Badakarobar*
Mar 2025 – Jun 2025 - Engineered fast-loading landing pages (45% speed boost) using Tailwind, HTML5, and Jinja templates. - Enhanced SEO rankings (top-10 SERPs) through schema markup and semantic optimization, boosting organic traffic by 2.5x. - Automated sitemap workflows and audit tools using Python, reducing SEO maintenance time by 60%.

AI & ML Intern – *YBI Foundation*
Jun 2024 – Jul 2024 - Developed ML projects: BERT-based sentiment analysis, XGBoost-based price prediction, and text classification using transformers. - Created an interactive sales dashboard and housing price predictor using Pandas, Seaborn, and Matplotlib.

Software Engineering Virtual Experience – *Accenture (Forage)*
Aug 2024 – Sep 2024 - Built Java-based search modules using Spring MVC, introduced CI pipelines with Jenkins, and practiced Agile story planning.

Web Development Intern – *InternPedia*
Apr 2024 – May 2024 - Converted Figma designs into responsive frontends using Bootstrap, HTML, CSS, and vanilla JavaScript.

🚀 Projects

Fog4Det – Real-Time Vehicle Fog Detection System
GitHub - Real-time fog visibility classification using OpenCV (Laplacian variance + histogram std) in FastAPI backend. - Dual-view (Driver/Developer) interface using Next.js, Tailwind, Framer Motion, and live Recharts dashboard.

AI-Powered Multi-Source Search Platform
GitHub - Used T5/BART models to expand user queries and fetch results via Google (SerpAPI) & YouTube APIs. - Built responsive dual-column React UI with dark mode, sort/filter, and real-time input processing.

Lost & Found Web App (MERN Stack)
Live | GitHub - Enabled 1,000+ students to report/recover items with image support and JWT-secured roles. - Deployed fully mobile-first platform with search, filtering, and RESTful endpoints.

AgriSure – Fintech Platform for Farmers
Live | GitHub - Flask-based loan/insurance portal with dashboards for farmers vs agents, built with Jinja2, Bootstrap. - Multilingual UI, document workflows, and role-based access reduced onboarding errors by 70%.

Reddit Stock Sentiment Analyzer
GitHub - Flask dashboard using PRAW & VADER for sentiment trends from subreddits like r/stocks. - Interactive dark-mode UI with Matplotlib graphs and keyword filtering.

YOLOv5 Object Detection via Colab
GitHub - Browser-based image upload → YOLOv5 → PyTorch inference + OpenCV bounding boxes. - Real-time visualization with lightweight GPU-compatible detection pipeline.

🎓 Certifications

- Oracle Certified Java & SQL Developer
- IBM: Software Engineering, Machine Learning with Python
- Google: IT Support Fundamentals

- Microsoft/LinkedIn: Career Essentials in Generative AI
- GitHub Foundations (GitHub)
- Databricks: Generative AI Fundamentals
- AWS: Generative AI – Art of the Possible
- DeepLearning.AI: Finetuning LLMs (with Lamini)
- LinkedIn: Deep Learning
- GeeksForGeeks: MongoDB CRUD Mastery

📊 Technical Skills

Languages: Python, Java, JavaScript, SQL, HTML, CSS
Frameworks/Libraries: React.js, FastAPI, Flask, Express, Node.js, Bootstrap, Tailwind, Jinja2, Next.js
AI/ML: HuggingFace, Transformers, Scikit-learn, TensorFlow, OpenCV, VADER, XGBoost, YOLOv5
Tools/DevOps: Git, GitHub Actions, Jenkins, Google Colab, SEO Tools (GA4, GSC)
Cloud & DB: MongoDB, Render, Cloudinary, AWS Basics, PostgreSQL

📅 Education

B.Tech in Computer Science and Engineering
Geethanjali College of Engineering and Technology, Hyderabad
Expected Graduation: May 2027