

KARTHIK SRIDATTA

Software Engineer | AI/ML Developer | Backend Specialist | Prompt Engineer

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PROFESSIONAL SUMMARY

ISE student (CGPA 8.68/10) at DSATM Bangalore with expertise in Data Structures and Algorithms, System Design, and scalable backend development. Built 4 production-level applications in Python, Django, Flask, and REST APIs. Hands-on experience in Machine Learning, Deep Learning, NLP, and CNNs. Proficient in AI-assisted development using GitHub Copilot, Cursor AI, and prompt engineering. National hackathon winner; organized 500-student college hackathon. Seeking a 3–12 month Software Engineering or AI/ML internship.

TECHNICAL SKILLS

Languages:	Python (Primary), C, C++, Java, JavaScript, SQL
AI / ML:	Machine Learning, Deep Learning, NLP, CNNs, LangChain, HuggingFace, Scikit-learn, TensorFlow, PyTorch
Web / APIs:	Django, Flask, FastAPI, React.js, Node.js, REST APIs, Microservices, Spring Boot
Databases:	MySQL, PostgreSQL, MongoDB, Firebase
Cloud/DevOps:	AWS, Docker, CI/CD, Git, GitHub, Linux
AI Tools:	GitHub Copilot, Cursor AI, Prompt Engineering, OpenAI API, HuggingFace Transformers
Core CS:	Data Structures and Algorithms, OOP, System Design, DBMS, Complexity Analysis

PROFESSIONAL EXPERIENCE

Software Development Engineer Intern

Aug 2025 – Sep 2025

InternPro | Bangalore, India | Python · Django · REST APIs · Agile

- Engineered backend data pipelines using Python and Django, reducing system latency through improved data structure and algorithm selection.
- Delivered production-ready features across two Agile sprints with zero rollbacks via disciplined Git version control.
- Designed and documented RESTful API endpoints, improving frontend integration velocity across cross-functional teams.

TECHNICAL PROJECTS

Decentralised Online Voting System | Python · Django · Blockchain · JWT · REST APIs

2024 – 2025

- Architected tamper-proof voting platform using Blockchain; achieved 99.9% uptime and 100% data integrity across all test scenarios.
- Implemented RBAC with JWT authentication and scalable APIs for high concurrent loads; automated auditing via cryptographic hash checks.

AI-Driven E-Commerce Dark Pattern Detector | Python · Deep Learning · CNNs · NLP ·

2024

REST API

- Built CNN and NLP classifiers to detect deceptive UX patterns (fake urgency, hidden fees); trained on 10,000+ UI elements achieving 91% accuracy.
- Exposed model as a REST API compatible with browser extensions for real-time page analysis, enhancing consumer protection at scale.

Agri-Tech Crop Management and IoT Marketplace | Flask · IoT · Firebase · PostgreSQL

2024

- Built real-time crop health monitoring system ingesting live IoT sensor streams with scalable multi-sensor data pipelines.
- Integrated direct-to-consumer marketplace eliminating intermediaries, delivering an estimated 15% increase in farmer revenue.

Poverty Awareness and AI Recommendation Platform | React.js · Flask · Machine

2023

Learning

- Developed full-stack platform with personalised ML recommendations on demographic data; reusable React.js components with a decoupled REST API layer.

EDUCATION

B.E. Information Science and Engineering

Oct 2023 – Present

Dayananda Sagar Academy of Technology and Management, Bangalore | CGPA: 8.68 / 10.0

Class XII — CBSE

Mar 2020 – May 2023

Sri Chaitanya Techno School, Bangalore | 75%

ACHIEVEMENTS AND AWARDS

- Winner — PES University CIDECODE Cyber Hackathon (AI/ML in Cybersecurity, National Level)
- Top-5 Finalist — National Coding Championship, Competitive Programming Track
- Champion — VTU Youth Festival Quiz Competition (University Level)
- Champion — RNSIT Intercollegiate Quiz Competition
- Second Runner-Up — National Hackathon, Software Development Track
- Organizer — Planned and executed end-to-end 500-student intercollegiate hackathon at DSATM Bangalore

CERTIFICATIONS

- NPTEL — Data Structures and Algorithms
- Coursera — SQL and Data Analytics
- Great Learning — AI Fundamentals
- Infosys Springboard — Python Programming and C Programming
- Tata Group — Data Visualization
- MindLuster — Web Development

ADDITIONAL INFORMATION

- Availability:** Open to 3–12 month internships (on-site Bangalore or remote), immediate start.
- Target Roles:** AI/ML Engineer Intern, Backend Developer Intern, GenAI Developer Intern, Data Science Intern, Full-Stack Engineer Intern.
- Interests:** Generative AI, Large Language Models, RAG Systems, Competitive Programming, Open Source Contribution.
- Languages:** English (Professional), Kannada (Native), Hindi (Conversational).