PRAKASH R

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Summary

Enthusiastic AI/Data science student eager to apply skills in real-world scenarios. Adaptable, collaborative, and driven by continuous learning, ready to tackle challenging problems and contribute innovative solutions by AI.

Technical Skills

Languages & Frameworks: Python, C, JavaScript, Django, Flask, TensorFlow, PyTorch, Scikit-Learn, HTML, CSS, React.js

AI Stack:

- **Core AI/ML:** Deep Learning, Neural Networks, Generative AI, LLMs, NLP, RAG, Computer Vision
- **Libraries & Frameworks:** Langchain, Transformers (Hugging Face), OpenCV, Matplotlib, Seaborn, Ollama, CrewAI, AI Platforms (API Key) Integrations
- **Vector Databases:** Chroma, FAISS

Tools & Cloud: MongoDB, SQL, Git, GitHub, Docker, Linux, Render, Vercel, Railway

Soft Skills: Communication, Team Collaboration, Adaptability, Problem-Solving, Continuous Learning, Leadership, Project Management, Technical Writing

Work Experience

Generative AI Intern, Zintellix – Jaipur, Rajasthan (Remote)   Jun 2025 – Jul 2025
- Contributed to the development of cutting-edge AI platform development
- Worked on innovative generative AI solutions and technologies

AI/ML Developer Intern, AquaSub Engineering – Coimbatore   Sep 2024 – Dec 2024
- Contributed to the development of invoice detection project with integration and automation using llm's

Freelance AI/ML Developer, Remote   Dec 2023 – Present
- Delivered custom AI/ML solutions (OCR, NLP, automation) for clients
- Managed end-to-end development, from model training to deployment

AI Developer, Interflow AI (Incubated Startup) – KGISL Incubation Cell, Coimbatore   Aug 2023 – Feb 2024
- Developed AI-driven products, including automation and LLM-based solutions
- Collaborated on product design and feature development with a startup team
- Participated in several hackathons and workshops to solve industrial and real world problems

Projects

Hyperspectral Data Analysis for DON Prediction   2025
- Built a pipeline to predict Dissolved Organic Nitrogen from hyperspectral data using PCA, t-SNE, and deep learning models (1D-CNN, LSTM, Attention)
- Achieved high R^2 accuracy using preprocessing, dimensionality reduction, and regression evaluation metrics (MAE, RMSE, R^2)

Ergonomics Assistant using Computer Vision and NLP   2024
- Built a real-time CV system to monitor and assess working professionals' posture
- Provided live NLP-generated feedback to encourage ergonomic corrections and healthier posture habits

AI Research Agent using Crew AI Framework   2025

- Developed an autonomous agent with Crew AI to streamline research tasks like literature review and summarization
- Enabled multi-role collaboration within the agent to boost productivity and automate research workflows

Code Review Meeting Summarizer with GitHub & Asana Integration 2025
- Created an AI-based assistant that summarizes discussions from code review meetings
- Automatically integrates summarized tasks and action items into GitHub issues and Asana for project management

Education

KGISL Institute of Technology, B.Tech in Artificial Intelligence and Data Science – 2022 – 2026
Coimbatore, Tamil Nadu
- CGPA: 8.2/10.0
- HSLC: 86%, SSLC: 75%

Certifications

- Ethics of Artificial Intelligence – Politecnico di Milano (Coursera)
- Distributed Computing with Spark SQL – University of California, Davis (Coursera)
- Introduction to Big Data with Spark and Hadoop – IBM (Coursera)
- Deep Learning with PyTorch, Keras and TensorFlow – IBM (Coursera)