Sudeep S Patil

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Professional Profile

Artificial Intelligence Master's student with hands-on experience in AI/ML development, including large language models and computer vision applications. Proficient in end-to-end project development, from research to implementation, with a strong foundation in Mathamatics, Machine learning, and Data Science. Skilled in teamwork and independent problem-solving. Excited to apply my expertise and contribute to innovative AI solutions.

Education

Apr 2024 – Present
Master of Science in Artifical Intelligence
Brandenburgische Technische Universität
Cottbus, Germany

Aug 2019 – Jun 2023
Bachelor of Engineering in Computer science and Engineering
Visvesvaraya Technological University
Belagavi, India
8.7/10

Work History

Aug to Oct 2022 & Jan to Mar 2023

Data Analyst Intern
Contriver
Mysuru, India

- Worked on facial emotion detection model for customer review analysis, achieving 92% accuracy.
- Awarded Best Intern of 2022 for exceptional performance and impactful contributions.
- Conducted 90+ hours of practical training sessions on web development and machine learning, mentoring over 20 trainees.
- Addressed individual trainee needs and organized feedback sessions, ensuring effective learning outcomes.

Projects

2024	## Blog Generator with AI Agents
	• Automated blog creation for our blogging website, saving up to 90% of a writer's time by generating fully structured blogs using a multi-agent system (Researcher, Strategist, Writer, SEO Optimizer) in seconds.
	• Integrated text editor for easy customization, adding images, and posting blogs.
	link: [Live Demo](#)
2024	## Ask-AI: Real-time Explanation Tool
	• Developed a feature for our blogging website, enabling users to select unfamiliar words in blogs and instantly receive explanations using RAG-based LLMs.
	• Improved blog reading by making it 30% faster and more engaging.
	link: [Live Demo](#)
2024	## Federated Learning Simulation
	• Implemented decentralized ML system to train CNN models across multiple clients without sharing data, ensuring privacy.
	• Boosted training speed by 40% and reduced server load by offloading computations to client devices.
	link: [Live Demo](#)

Certificates

Deep Learning using TensorFlow from IBM

Professional Meta Back-End Developer

Foundations of Project Management from Google

Skills

Languages

 • English (C1), German (A1)

IT-Skills

 • **languages**: Python, Typescript, SQL.
 • **Framework**: PyTorch, Tensorflow ,FastAPI, Next.js, Tailwind, streamlit.
 • **Libraris:** Pandas, Matplotlib, Numpy, Scikit-learn, CrewAI, Hugging Face, Langchain, OpenCV.

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