Adithya Tadaga Gangadhar

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Experience

Target Bangalore, India

Data Scientist Aug 2025 – Present

- Currently building dynamic listing-page experiences using contextual relevance models and Multi-Armed Bandits (MABs) to improve search relevance and product discovery.
- Previously improved type-ahead search performance, contributing to $15M+ incremental revenue, +7.1% CTR, and +4% search engagement.

AI Data Scientist Apprentice Feb 2025 – Aug 2025

- Developed search relevance, retrieval, and ranking models using DeBERTa, LLMs, embeddings, and behavioral interaction signals.
- Built automated ML pipelines and experimentation workflows on GCP using Vertex AI, BigQuery, and Python.

Maacsys Bangalore, India

AI Engineer May 2023 – Feb 2025

- Enhanced facial recognition workflows for automated access-control systems, improving recognition accuracy by 7%.
- Developed a custom text-to-speech application using deep learning models and Python-based automation workflows.

PES University – Center for Data Science & AIML Bangalore, India

Research Intern Dec 2023 – Jul 2024

- Published research on comparative analysis and evaluation of fine-tuned Large Language Models, contributing to multiple peer-reviewed publications.

PES University Bangalore, India

Teaching Assistant – Deep Learning Jun 2024 – Jan 2025

- Taught Transformer architectures, attention mechanisms, and modern deep learning techniques to postgraduate students.

Education

PES University, Bangalore, India; Bachelor of Technology in Computer Science & Engineering CGPA: 8.66/10

Achievements

- Author of 11 peer-reviewed publications across Artificial Intelligence, NLP, Information Retrieval, Computer Vision, Healthcare AI, and Human-Computer Interaction presented in Sweden, Italy, Japan and India.
- Recipient of the CNR Rao Award, Academic Excellence Scholarship, and multiple Distinction Awards for outstanding academic performance.
- Winner of Embrione 2.0 Hackathon and maintained a 700+ day LeetCode streak.

Projects

Live XAUUSD Forecasting System

- Developed a live forecasting platform using machine learning and time-series modeling for commodity price prediction.
- Built automated pipelines for data ingestion, feature engineering, model retraining, deployment, and monitoring, currently generating approximately $27.5/day at modal performance.

Skills

Programming & Platforms: Python, SQL, Java, GCP, Vertex AI, BigQuery, Git, Docker, FastAPI

Machine Learning & AI: Machine Learning, Deep Learning, NLP, Information Retrieval, Search Ranking, Recommendation Systems, LLMs, RAG, Semantic Search, Generative AI

Languages

English (IELTS 7.5), Swedish (A2), French (Basic), Hindi (Fluent), Kannada (Native)