ANIKET SINGH

INDIA

📞 +91-7985287855 ✉ Gmail in LinkedIn ⌂ Github 🌐 Portfolio

Summary

AI Engineer specializing in building end-to-end intelligent systems with LLMs, RAG, and MLOps pipelines. Experienced in architecting solutions from high-volume data processing to context-aware conversational agents. Seeking a challenging remote role to solve complex engineering problems and contribute to innovative AI products.

Experience

AI Engineer
Acadally

June 2024 – Present
Delhi, India (Remote)

- **Adaptive Tutoring System:** Architected and developed an AI-driven tutoring platform for grades 5–8, personalizing learning paths to enhance student engagement and educational outcomes.
- **Difficulty Calibration Agent:** Engineered a calibration agent using Item Response Theory (IRT) and a RAG pipeline with NCERT textbooks, ensuring precise and context-aware question generation.
- **Context-Aware Question Generator:** Developed a generator using fine-tuned LLMs to produce dynamic, Bloom's Taxonomy–aligned questions that foster critical thinking and deeper student interaction.
- **Text-to-SQL Interface:** Built a robust agent that translates natural language queries from educators into SQL, enabling real-time performance analytics and data-driven instruction.

Graduate Engineer Trainee
Radius Synergies

April 2024 – June 2024
Delhi, India

- **Predictive Analytics:** Contributed to a time-series forecasting model for electricity consumption, supporting strategic energy management and cost-reduction initiatives.
- **High-Volume ETL Pipeline:** Engineered a high-throughput ETL pipeline to process over 17 million records daily, significantly accelerating data preparation and model training cycles.

Projects

MCP AI Assistant - Multi-Source Intelligence Platform ↗* | *AI/ML, Full Stack*   **Jan 2024**

- **Multi-Source Integration:** Architected an AI assistant using Model Context Protocol (MCP) to dynamically query external services (web scraping, search APIs, databases) for real-time, accurate information retrieval.
- **Conversational AI:** Implemented a LangChain-powered agent with Groq's Llama3-8B model, enabling persistent memory and context-aware interactions across user sessions.
- **Full-Stack Development:** Developed a full-stack application with Streamlit and Flask frontends, containerized with Docker for seamless, scalable deployment.

Technical Expertise

- Machine Learning & Deep Learning
- Natural Language Processing (NLP)
- Generative AI & LLMs
- Retrieval-Augmented Generation (RAG)
- Model Context Protocol (MCP)
- MLOps & Model Deployment
- Data Structures & Algorithms

Technical Skills

Languages: Python (Advanced), C++ (Beginner), SQL (Intermediate)
AI/ML Frameworks: PyTorch, TensorFlow, Transformers, LangChain, Scikit-learn
MLOps & Cloud: Docker, AWS (EC2, S3, SageMaker), Git/GitHub, Weights & Biases
Data Algorithms: Pandas, NumPy, DSA (Arrays, Trees, Graphs, DP), LeetCode (200+ problems)

Education

PSIT College of Engineering
B.Tech in Computer Science and Engineering

Kanpur, India
2020 – 2024

Bal Bharti School
12th - PCM

Prayagraj, India
2018 – 2020

Certifications

- Google Data Analytics Professional Certificate (Coursera)
- Data Structures and Algorithms Specialization (Coursera)