

Aarsha Anil

LinkedIn | +91 9778177547 | GitHub | aarshaanil2001@gmail.com

EDUCATION

APJ ABDUL KALAM TECHNO- LOGICAL UNIVERSITY

B.TECH IN ARTIFICIAL
INTELLIGENCE & DATA SCIENCE
June 2024 | Kannur, Kerala
CGPA: 9.08

CERTIFICATIONS

Google Data Analytics Professional
Certificate 2024
Google AI Essentials 2024
Microsoft Certified Azure AI
Fundamentals 2022

SKILLS

PROGRAMMING

Python • R • SQL • Java • C
Scikit-Learn • Pandas • NumPy •
PyTorch
LangChain • Hugging Face
Transformers

DATA ANALYSIS

Statistical Modeling • Predictive
Analytics • Machine Learning
Data Cleaning • Data Visualization •
Causal Inference

TOOLS

Git • Docker • AWS • GitHub Actions
Google Sheets • MySQL • Power BI •
Agile

EXTRACURRICULAR

BCG GENAI JOB SIMULATION ON FORAGE July 2024

- Integrated and interpreted complex financial data from 10-K and 10-Q reports, employing rule-based logic to create a chatbot that provides user-friendly financial insights and analysis.

EXPERIENCE

INNOMATICS RESEARCH LABS | GENAI INTERN | SEP 2024 - DEC 2024 | HYDERABAD, INDIA

- Designed AI solutions adhering to ethical AI principles, ensuring fairness and transparency in GenAI applications.
- Worked on RAG content generation and AI agent development using LangChain and advanced LLMs (e.g., GPT-4).
- Led the integration of vision-based AI tools for accessibility enhancements, aligning with AI ethics.

COAPPS DEVELOPMENT SOLUTION PVT LTD | DATA SCIENCE INTERN | FEB 2024 - APR 2024 | CHENNAI, INDIA

- Analyzed datasets, applying predictive models and statistical analysis (e.g., regression, clustering) to derive business insights.
- Utilized Python and SQL for data wrangling and visualization, supporting data-driven decision-making.

PROJECTS

CONVERSATIONAL RAG WITH PDF UPLOADS AND CHAT HISTORY 2024

- Developed a Conversational Retrieval-Augmented Generation (RAG) system using LangChain, Streamlit, and Groq AI's Gemma2-9b-It model.
- Integrated PDF uploads and chat history for intelligent, context-aware question-answering.

END-TO-END SEARCH ENGINE GEN AI APP USING TOOLS AND AGENTS WITH OPEN-SOURCE LLMs 2024

- Built an interactive chatbot application integrating advanced search tools like Arxiv, Wikipedia, and DuckDuckGo.
- Leveraged LangChain agents to implement precise response workflows, utilizing advanced LLMs like ChatGroq.
- Enhanced the application with scalable architecture using cloud and containerization.

ENHANCED QA CHATBOT WITH OLLAMA 2024

- Designed an intelligent QA chatbot utilizing open-source LLMs like Mistral via Ollama and LangChain.
- Built an interactive user interface using Streamlit, ensuring an intuitive and customizable user experience.

TEXT SUMMARIZER WITH HUGGING FACE TRANSFORMERS AND AWS CI/CD 2024

- Created an automated text summarization tool for concise text extraction from large datasets.
- Integrated GitHub Actions for CI/CD, automating testing and deployed on AWS for scalable access.
- Technologies: Python, Docker, AWS, Hugging Face Transformers, GitHub Actions.