Ayesha Afifa

Chennai, India

ayesha.afifa0@gmail.com ⋄ +91-7479573260

EDUCATION

SRM University   **July 2024 – May 2026**
Master of Computer Applications – Generative AI

Karim City College   **July 2021– May 2024**
Bachelor of Computer Applications

SKILLS

- **Languages**: Python, Java, C/C++, SQL
- **Frameworks & Libraries**: TensorFlow / Keras, PyTorch, LangChain, Hugging Face Transformers, Scikit-learn
- **LLMs & Agent Development:** Google Agent Development Kit (ADK), OpenAI GPT (API, ChatGPT)
- **Core AI/ML Skills:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Computer Vision, Generative AI, Reinforcement Learning, Prompt Engineering
- **Data Science & Analytics:** Data Cleaning & Preprocessing, Exploratory Data Analysis (EDA), Statistical Analysis, Data Visualization
- **Tools**: Git, GitHub, VS Code

PROJECTS

CSV Query Agent
- Built an AI agent using Google Agent Development Kit (ADK) to convert natural language questions into SQL queries and execute them on CSV files using DuckDB.
- Integrated FastAPI and Python to serve the agent as a lightweight and responsive backend service.
- Injected contextual instructions and file state via before_agent_callback, enabling guided multi-step reasoning without requiring direct file system access.

Pet Store Mern
- Designed and developed a full-stack e-commerce Pet Store application using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented user authentication, product listings, shopping cart, and order management with secure RESTful APIs.
- Built responsive UI with React and integrated real-time form validation, enhancing user experience across devices.
- Connected MongoDB for dynamic product storage and retrieval, enabling efficient CRUD operations for pets, users, and orders.

CERTIFICATES

- AWS Certified Developer – Data Engineering
- Google Android Developer Virtual Internship