AYESHA AFIFA
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EDUCATION

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

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.

CERTIFICATIONS & ACHIEVEMENTS
- **AWS Certified Developer – Data Engineering**