ARMAN SHAIKH R

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Highly motivated and intellectually curious individual with a multidisciplinary foundation in Computer Science, Data Studies, and Artificial Intelligence, offering a unique perspective on innovation and problem-solving. Known for combining analytical rigor with creative thinking to develop thoughtful, user-centric solutions in the fields of AI and data. Demonstrates a strong commitment to continuous learning, adaptability, and collaboration. Eager to contribute meaningfully to your organization's goals while gaining hands-on experience in a challenging and growth-focused environment. Enthusiastic about the opportunity to join a forward-thinking team where impactful ideas are valued and nurtured.

Experience

AUG 2024 – SEPT 2024
Data Science Intern/YBI Foundation (Remote)
- Developed machine learning models, including a Movie Recommendation System (90% user satisfaction) and Credit Card Fraud Detection (95% accuracy).
- Applied Python and SQL to analyze datasets, increasing data processing efficiency by 25%.
- Earned an official internship certificate, showcasing advanced data science and machine learning skills.

JAN 2024 – AUG 2024
Technical Blogging/Code With Curious
- Writing detailed blogs on systems like online examination systems, simplified e-commerce platforms, and resume builder applications, all while breaking down complex processes for a diverse audience.
- Documenting the development of various Java and Python applications for student and professional use.
- Producing content that integrates code explanations, interface details, and project deployment guidance, ensuring clear and effective

Project Summary

Atlas AI – Offline LLM Companion
Independent Project I Mar 2025 – May 2025
- Developed Atlas AI, an offline ChatGPT alternative using local Ollama models with <500ms latency.
- Integrated voice input via Web Speech API and offline semantic search over PDF/TXT files with 90% accuracy.
- Built a high-performance PWA (98% Lighthouse) with instant reloads and editable chat history ("time-travel messaging").

Customer Churn Prediction System
M.G.R College I Oct 2024 – Apr 2025
- Built an end-to-end ML system with 86% AUC score to predict telecom customer churn using XGBoost, SHAP, and FastAPI.
- Deployed a production-ready API serving 50+ RPS (requests per second) with Docker, caching, and async logging.
- Developed an interactive Streamlit dashboard featuring model explanations, real-time predictions, and EDA visualizations.
- Optimized for business impact by prioritizing recall (82%) to reduce false negatives in high-value customer segments..

WriteRight AI – AI Writing Assistant for Professionals
M.G.R College I Apr 2024 – Dec 2024
- Developed a Gradio-powered writing suite with 10+ NLP tools (rephrasing, tone adjustment, grammar checks) optimized for low-latency (<1.5s response time)
- Implemented multi-model architecture with Ollama fallbacks, supporting 150+ writing styles and 8 emotional tones
- Built a voice-to-voice writing pipeline with real-time emotion detection and style classification using PyTorch
- Integrated context-aware suggestions using RAG with custom embedding trained on 50GB of professional documents,

Skill Summary

- **Languages:** Python, R, SQL, JavaScript, MATLAB, Bash
- **AI & MI:** GPT-4, NLP, LLMs, Prompt Engineering, Scikit-learn, Hugging Face, Model Fine-tuning
- **Frameworks:** Flask, Streamlit, LangChain, TensorFlow, PyTorch, Pandas, NumPy
- **Web Dev:** RESTful APIs, HTML5, CSS3, JavaScript, Bootstrap
- **Tools & Platforms:** Git, Jupyter Notebook, VSCode, Tableau, OpenAI API, Excel
- **Soft Skills**: Problem-solving, Team Collaboration,Agile Mindset, Multilingual (English, Tamil, Hindi)

Education

Master of Computer Science   **May 2025**
Periyar University, Salem
First Class Distinction

Bachelor of Computer Science   **June 2023**
Periyar University, Salem
First Class Distinction

Achievements

- Awarded Certificate of Achievement at Google APAC Hackathon (2024) for demonstrating advanced problem-solving and coding skills.
- Completed National Level Kotlin Workshop (2024), enhancing expertise in Android development and software engineering concepts.
- Proposed a data-driven mobile solution at Mobilithon (2024), selected for evaluation under the innovation category.

Certifications

- Data Analysis with Python – freeCodeCamp(LINK)
- Fundamentals of Cybersecurity – upGrad(LINK)
- Full Stack Web Development – Edunet Foundation(LINK)