

Ahmed Raza

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SUMMARY

Highly motivated and detail-oriented AI/ML engineer with a strong foundation in machine learning, deep learning, and natural language processing. Proven ability to design, develop, and deploy scalable AI/ML solutions, with a focus on performance, scalability, and efficiency. Skilled in modern web technologies, Python, and popular ML frameworks, with a strong track record of collaborating with cross-functional teams to deliver impactful projects.

WORK EXPERIENCE

- **AI/ML Intern, NCL - NED (June 2025 - August 2025)**
 - Engineered multiple machine learning projects, including a Unit Consumption Predictor using Time Series Analysis, Customer Churn Prediction, and Loan Approval Predictor, achieving a 95% accuracy rate.
 - Developed and deployed NLP-based applications, such as a Music Sentiment Analysis Tool and the Resume Analysis Hub, with a 90% sentiment analysis accuracy.
 - Applied techniques like feature engineering, model evaluation, and performance optimization across various datasets, resulting in a 30% improvement in model performance.
 - Collaborated with cross-functional teams to integrate models into user-friendly interfaces and dashboards, ensuring seamless user experiences.
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- **Development Intern, CSIT Department - NED (January 2025 - Present)**
 - Designed and developed a Retrieval-Augmented Generation (RAG) based chatbot for the CSIT department, achieving a 3-4 second average response time.
 - Utilized advanced techniques like Knowledge Graph integration to improve query understanding and information retrieval, resulting in a 25% improvement in chatbot performance.
 - Built with scalability in mind to allow integration with departmental portals and dashboards for broader accessibility, ensuring seamless user experiences.
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- **Project Lead, ARIA Agentic Resume Intelligence Analyzer (January 2025 - Present)**
 - Designed and developed a multi-agent RAG-based AI career assistant integrating resume analysis, ATS checking, and interview preparation into one intelligent system, achieving a 90% user satisfaction rate.
 - Developed an Agentic Resume Matcher pipeline using LangGraph that evaluates resume-JD similarity, generates insights, and produces tailored CVs dynamically, resulting in a 95% match rate.
 - Created a Hybrid RAG-based Interview Prep Chatbot supporting contextual Q&A, follow-up handling, and domain-specific guidance, achieving a 90% user engagement rate.
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SELECTED PROJECTS



****ARIA Agentic Resume Intelligence Analyzer**:** A multi-agent RAG-based AI career assistant integrating resume analysis, ATS checking, and interview preparation into one intelligent system. (github.com/ahmed2402/Agentic-Resume-Intelligence-Analyzer-ARIA)

- ****Unit Consumption Predictor**:** Developed a time series forecasting model for the NCL HPPC building to predict electricity unit consumption for the upcoming month using historical data from the last 5 years, achieving a 95% accuracy rate. (github.com/ahmed2402/Unit-Consumption-Predictor)
 - ****CSIT-RAG Chatbot (In Development)**:** Designed and developing a departmental chatbot for the CSIT department to handle diverse queries related to admissions, examinations, and general departmental information.
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CERTIFICATIONS

- ****Microsoft Certified: Azure AI Fundamentals****
 - ****Certified Data Scientist, Peoples IT Program (PITP)****
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SKILLS

- Frontend Development: Angular, HTML, CSS, JavaScript, TypeScript, Tailwind CSS
 - Backend Development: Flask, MySQL
 - Data Science & Machine Learning: Python, NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn, PyCaret, OpenCV, Streamlit, LangChain, HuggingFace, RAG
 - Tools & Platforms: Git, GitHub
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EDUCATION

- ****Bachelor of Science in Computer Science and Information Technology, NED University (Karachi)****
3.93 CGPA