

## Ahmed Raza

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github.com/ahmed2402

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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.

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## 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](https://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](https://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

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

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- 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

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