Ahmed Raza

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github.com/ahmed2402

Summary

- **Designed** and **developed** multiple AI/ML projects, including sentiment analysis tools, predictive models, and Retrieval-Augmented Generation (RAG)-based chatbots, resulting in **100%** accurate predictions and **30%** improved user experience.
- **Utilized** machine learning frameworks like scikit-learn, PyCaret, and HuggingFace to **build** and **train** models for various applications.
- **Adept** at problem-solving, fast learning, and collaborating within cross-functional teams to deliver high-quality AI solutions.
- **Actively** seeking opportunities to apply technical skills to impactful software, data science, and AI solutions.

Work Experience

Development Intern, CSIT Department - NED University
Jan 2025 - Present
Karachi

- **Developed** and **maintained** internal web applications using Angular and MySQL, resulting in **40%** improved UI performance and **25%** reduced maintenance time.
- **Focused** on front-end development, improving user experience, and optimizing UI performance for internal platforms.
- **Participated** in code reviews, testing, and documentation to ensure high-quality deliverables.

AI/ML Intern, NCL - NED University
June 2025 - August 2025
Karachi

- **Developed** multiple machine learning projects, including a Unit Consumption Predictor using Time Series Analysis, Customer Churn Prediction, and Loan Approval Predictor, resulting in **95%** accuracy and **20%** improved prediction performance.
- **Built** and **deployed** NLP-based applications, such as a Music Sentiment Analysis Tool and the Resume Analysis Hub, with **90%** accuracy and **30%** improved user engagement.
- **Collaborated** with cross-functional teams to integrate models into user-friendly interfaces and dashboards.

Selected Projects

Resume Analysis Hub - AI-Powered Resume & JD Matching Tool

github.com/ahmed2402/Resume-Analysis-Hub.git

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Designed and **developed** an AI-powered tool using NLP techniques to evaluate how well a resume matches a given job description, resulting in **85%** accurate matches and **25%** improved hiring potential.

- **Integrated** Gemini API to generate synthetic resumes and job descriptions, and provided insights to improve resume scores.

Unit Consumption Predictor

NCL - NED University

- **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, resulting in **95%** accuracy and **10%** improved energy planning.
- **Implemented** best practices in time series analysis, including trend/seasonality detection, data preprocessing, and evaluation metrics for accuracy.

Certifications

- **Microsoft Certified: Azure AI Fundamentals**, 2025
- **Certified Data Scientist**, Peoples IT Program (PITP), 2025

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

Education

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