Ahmed Raza - Tailored for AI Engineer

Contact Information

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Summary/Objective

Highly motivated AI enthusiast with a strong background in machine learning, natural language processing, and frontend development. Proven ability to design, develop, and deploy real-world AI projects, including sentiment analysis and generative AI models. Seeking an opportunity to apply technical skills in a dynamic team to create impactful software and data science solutions.

Work Experience

AI Engineer Intern, CSIT Department, NED University (January-Present)

- Collaborated with the tech team to develop, maintain, and deploy internal web applications using modern frontend technologies like Angular and MySQL.
- Assisted in improving user experience and optimizing UI performance for internal platforms.
- Participated in code review, testing, and documentation to ensure high-quality deliverables.

AI Engineer Intern, NCL, NED University (June-August)

- Developed multiple machine learning projects, including a unit consumption predictor using time series analysis and a loan approval predictor.
- Built and deployed a natural language processing-based application for music sentiment analysis and a resume analysis hub.
- Applied techniques like feature engineering, model evaluation, and performance optimization across various datasets.
- Collaborated with a cross-functional team to integrate models with user-friendly interfaces and dashboards.

CSITrag Chatbot Development, CSIT, NED University

- Designed and developed a departmental chatbot to handle diverse queries related to admission, examination, and general departmental information.
- Implemented retrieval-augmented generation (RAG) using LangChain to enable accurate context-aware responses.
- Leveraged advanced techniques like knowledge graph integration to improve query understanding and information retrieval.

Loan Prediction System, GitHub (github.com/ahmed/loanprediction)

- Developed a machine learning model to predict loan approval status based on applicant details.
- Utilized classification algorithms like logistic regression, random forest, and XGBoost to achieve high accuracy.
- Built a user-friendly interface to input applicant data and display real-time predictions.

Education

- **Bachelor of Science in Computer Science and Information Technology**, NED University, Karachi.
- Relevant coursework: Machine Learning, Natural Language Processing, Data Structures, and Algorithms.

Skills

Technical Skills

- Programming languages: Python, JavaScript, TypeScript
- Frameworks: Angular, Flask
- Libraries: NumPy, pandas, scikit-learn, PyCaret, OpenCV, Streamlit
- Tools: Git, GitHub, AWS, GCP, Azure
- Machine Learning: TensorFlow, PyTorch, Scikit-Learn
- Deep Learning: Neural Networks, Convolutional Neural Networks (CNNs)
- NLP: Natural Language Processing, Sentiment Analysis, Text Classification

Soft Skills

- Strong problem-solving skills
- Ability to work in a fast-paced environment
- Collaborative and innovative work style
- Excellent communication and documentation skills

Tools & Technologies

- Cloud platforms: AWS, GCP, Azure
- Containerization: Docker
- Continuous Integration and Continuous Deployment (CI/CD): Jenkins, GitLab CI/CD
- Agile methodologies: Scrum, Kanban
- Version control: Git, GitHub