FARRUKH NOOR KHAN

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SKILLS

Languages: Python, Andriod Java, C++
Technologies & Tools: TensorFlow, Keras, Sklearn, Numpy, Pandas, Firebase, MySQL, Streamlit
IDEs & Software: PyCharm, Android Studio, Jupyter Notebook, VS Code

WORK EXPERIENCE

CodexCue Software Solutions, Remote **Sep 2024 - Oct 2024**

Machine Learning Engineer Intern

- Developed and deployed a Twitter sentiment analysis model using machine learning techniques, leveraging TF-IDF vectorization and Logistic Regression to classify tweets as positive or negative, enhancing social media insights and user engagement.
- Developed and deployed an email/SMS spam filtering system using machine learning techniques, leveraging TF-IDF vectorization and Naive Bayes models to enhance and reduce spam effectively.
- Developed a content-based movie recommendation system using machine learning techniques, including text vectorization and cosine similarity, to deliver highly personalized movie suggestions.
- Pandas, NumPy, NLTK, scikit-learn ,Streamlit, Pickle, Regex

AI Technology Centre, NCP Islamabad **Aug 2023 - Oct 2023**

AI Engineer Intern

- Trained machine learning models to analyze large datasets, improving predictive accuracy by 95%.
- Assisted in deploying AI algorithms, reducing data processing time by 20%.
- Collaborated on designing and implementing a neural network for image recognition, achieving 85% accuracy.

EDUCATION

IST (Institute of Space and Technology), Islamabad **2020 - 2024**

Relevant Coursework: Artificial Intelligence, Web Development, Mobile App Development, Software Engineering, Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems

PROJECT WORK

Two-Way Sign Language Translator (2024): Developed a machine learning-based application for translating sign language gestures into text and vice versa using LSTM (Long Short-Term Memory) networks. Preprocessed gesture data and trained the model to predict corresponding text for sign language gestures. Implemented a real-time system with a user-friendly interface for bidirectional communication between deaf individuals and others. Used Python, Keras/TensorFlow, OpenCV, and scikit-learn.

CERTIFICATIONS

- AI Sign Language Certification (AiTec)
- Fundamentals of Digital Marketing (Google)
- MATLAB Onramp
- Freelancing (DigiSkills.pk)
- Data Analytics & Business Intelligence