Saifu Rahman

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ABOUT ME

I am a Software Engineer with a BS in Computer Science and hands-on experience in machine learning and natural language processing (NLP). My work includes building intelligent systems, data-driven solutions, and applying cutting-edge technologies to solve real-world problems. Passionate about continuous learning and innovation in AI.

WORK EXPERIENCE

06/01/2024 – 06/04/2024

SOFTWARE DEVELOPER INTERNEE (CIVIL SECRETARIAT QUETTA)

- As a Software Developer, I contributed to the development and enhancement of a Learning Management System (LMS), focusing on optimizing user experience and system performance.
- Implementing new features, integrating third-party tools, and improving the platform's scalability and security.
- I collaborated with cross-functional teams to ensure functionality, providing solutions tailored to both educators and learners.

23/08/2024 – CURRENT

MACHINE LEARNING INTERNEE (ITSOLERA ISLAMABAD)

- Developed machine learning models using supervised and unsupervised learning algorithms.
- Completed various projects, including sentiment analysis using natural language processing (NLP).
- Gained practical experience in data preprocessing, model building, and evaluation.

EDUCATION AND TRAINING

11/2019 – 12/2023

BS COMPUTER SCIENCE University of Engineering and Technology Khuzdar

08/2017 – 08/2019

FSC PRE ENGINEERING Inter College Sherani Mani Khawa

DIGITAL SKILLS

SEO-Management | SQL | Python | Sci-Kit Learn | NLP libraries: NLTK, SpaCy | Supervised Machine Learning: Regression and Classification | Python Libraries (Numpy-Pandas-seaborn-Matplotlib)

PROJECTS

Fake News Prediction

- Developed a machine learning model for fake news detection using NLP techniques and supervised learning algorithms (e.g., Naive Bayes, SVM).
- We performed data preprocessing, including text cleaning, tokenization using Spacy, NLTK, and vectorization (TF-IDF), along with feature engineering.
- Evaluated and optimized the model's performance using accuracy, precision, recall, F1-score, and hyperparameter tuning and deploy model on Flask

Patient Cost Prediction

- Developed a machine learning model to predict patient healthcare costs using regression algorithms (e.g., Linear Regression, Random Forest).
- Performed data preprocessing, including handling missing values, feature selection, and normalization to improve model accuracy.
- Evaluated model performance using metrics such as Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE), optimizing through hyperparameter tuning.

LANGUAGE SKILLS

Mother tongue(s): **PASHTO**

Other language(s): **ENGLISH** | **URDU**