Sajid Rehman

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EDUCATION

Agriculture university Peshawar — **Peshawar Pakistan**
Bachelors Information Technology — Nov 2022 - Present

National college of Management Science — **Peshawar Pakistan**
Diploma of Information Technology — Jan 2023 - Jan 2024

sylani Trust SMIT — **Peshawar Pakistan**
Python for Data science and AI — Jan 2024 - Present

EXPERIENCE

AI Engineer — **Jan 2023 - Agu 2024**
saylani welfare trust — Peshawar Pakistan

- Designed and implemented machine learning algorithms for natural language processing tasks, enhancing text analysis and automation.
- Developed AI models for image recognition and object detection, improving accuracy and efficiency in visual data processing
- Collaborated with cross-functional teams to integrate AI solutions into existing products, streamlining workflows and enhancing functionality.

Data Science — **Jan 2024 – Agu 2024**
Code Alpha — Peshawar Paksitan

- Assisting in the development and optimization of AI/ML models for real-world applications. Working with large-scale datasets for training and evaluation, and implementing deep learning and NLP techniques to support various AI solutions.
- Collaborating closely with the data science team to improve model performance and ensure accurate results
- Responsible for documenting research findings and regularly presenting progress to stakeholders.

Python for Data Science and AI – Trainee — **Jan 2023– Jan 2025**
Saylani Trust (SMIT) — Peshawar paksitan

- Currently enhancing skills in Python programming for data science and artificial intelligence
- Gaining hands-on experience in data manipulation, visualization, machine learning, and AI techniques
- Working on practical projects to apply theoretical knowledge in solving real-world problems using Python.

PROJECTS

BBC news detection | Python, scikit-learn, and TensorFlow/PyTorch — **Jan 2025 - Feb 2025**

- Developed an NLP-based model to classify BBC news articles
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- Trained the model with Python, scikit-learn, and TensorFlow/PyTorch
- Improved accuracy through feature engineering and optimization
- Integrated the model for automated news classification

Neumonia Detection Using X-ray Images | CNN architectures (e.g., VGG16, ResNet) — **Aug 2024 - Sep 2025**

- Developed a deep learning model to detect pneumonia from chest X-ray images. Used CNN architectures (e.g., VGG16, ResNet, or custom models) for image classification.
- Trained the model using TensorFlow/Keras and OpenCV with a labeled dataset. Improved detection accuracy through data augmentation and hyperparameter tuning.
- Deployed the model for real-time diagnosis to assist in medical decision-making.

Movie Recommendation System | Logistic Regression, Random Forest rest, XGBoost — **May 2024 - May 2024**

- Developed a machine learning model to predict loan approval based on applicant data
- Processed and analyzed key features like income, credit history, and loan amount. Improved accuracy through feature engineering and hyperparameter tuning
- Deployed the model for automated loan eligibility assessment.

Sentiment Analysis on Product Reviews | TF-IDF, Word2Vec, and LSTM models. — **Nov 2024 - Dec 2024**

- Developed an NLP model to analyze customer sentiment from product reviews using TF-IDF, Word2Vec, and LSTM models.

Fake News Detection | Logistic Regression, Random Forest, and Transformers — **Apr 2024 - Apr 2024**

- Built an NLP-based classifier using Logistic Regression, Random Forest, and Transformers to detect fake news from articles.

TECHNICAL SKILLS

Languages: Python, php, SQL (Postgres), , HTML/CSS,

Frameworks: TensorFlow , PyTorch, Keras ,FastAI, Scikit-learn, open cv

Dev Tools: Jupyter Notebook, Google Colab, Anaconda, VS Code, PyCharm, Git, Docker, Kaggle Kernels, Spyder, GitHub

Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK, spaCy, Gensim, OpenCV,, TensorFlow, Keras, Transformers