

# Sajid Rehman

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## EDUCATION

**Agriculture university Peshawar**

Bachelors Information Technology

**Peshawar Pakistan**

Nov 2022 - Present

**National college of Management Science**

Diploma of Information Technology

**Peshawar Pakistan**

Jan 2023 - Jan 2024

**sylani Trust SMIT**

Python for Data science and AI

**Peshawar Pakistan**

Jan 2024 - Present

## EXPERIENCE

**AI Engineer**

*saylani welfare trust*

**Jan 2023 - Agu 2024**

**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**

*Code Alpha*

**Jan 2024 – Agu 2024**

**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**

*Saylani Trust (SMIT)*

**Jan 2023– Jan 2025**

**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