

# Adil Saeed

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## 2 EDUCATION

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**Bachelor of Science in Software Engineering** Feb. 2023 – Present  
Institute of Management Sciences (IMSciences), Peshawar CGPA: 3.6/4.0

**ML-to-LLM Bootcamp** Summer 2025  
Ghulam Ishaq Khan Institute (GIKI), Topi, Pakistan

## 3 LEADERSHIP & EXPERIENCE

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**AI/ML Lead** 2024 – Present  
Microsoft Learn Student Ambassadors

- Led technical workshops on ML, DL, and NLP, training 50+ students in AI project development.
- Mentored peers in building scalable ML applications, highlighting ethical AI practices.
- Organized boot camps to promote AI adoption in academia and industry.

**Project Intern** Summer 2025  
Ghulam Ishaq Khan Institute (GIKI), Topi, Pakistan

- Developed a Retrieval-Augmented Generation (RAG) chatbot for GIKI prospectus queries.
- Collaborated on applied ML projects, focusing on NLP and vector search technologies.
- Contributed to workshops, improving practical AI skills for participants.

## 4 KEY PROJECTS

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**GIKI Prospectus Q&A Chatbot** (GIKI Bootcamp Project)  
*Python, FAISS, HuggingFace, Gradio, OpenAI API*

- Built a multilingual (English/Urdu) RAG chatbot with FAISS vector search.
- Implemented document parsing, embeddings, and efficient retrieval.
- Designed a Gradio interface with chat export, deployed during internship.

**Sentiment Analysis System** (GitHub: Sentiment\_Analyzer)  
*Python, Scikit-learn, NLP*

- Trained sentiment classifiers with TF-IDF + Logistic Regression, achieving 85% precision.
- Optimized feature extraction with embeddings for robust classification.

**Face Recognition Application**  
*Python, OpenCV, CNN*

- Designed real-time face recognition pipeline using CNNs.
- Improved accuracy with dataset expansion and transfer learning.

**CardioDiagnosis – Heart Disease Prediction** (GitHub: CardioDiagnosis-ML-Project)  
*Python, Random Forest, SVM*

- Built predictive models achieving 90% recall for clinical risk assessment.
- Evaluated models with ROC curves and cross-validation.

### **Login Risk Model** (GitHub: Login\_Risk\_Model)

*Python, RandomForestClassifier*

- Developed anomaly detection model for login security.
- Applied feature engineering to identify high-risk behavior.

### **OCR Project** (GitHub: OCR\_project)

*Python, Tesseract OCR*

- Built OCR pipeline for PNG, JPEG, JPG, BMP, and DOCX formats.
- Enabled direct text copy/export for usability.

### **Crop Yield Prediction ML Pipeline** (GitHub: CropYield-Prediction-ML-Pipeline)

*Python, Jupyter, Regression Models*

- Developed ML pipeline for predicting crop yields with historical data.
- Performed feature engineering and hyperparameter tuning.

## **5 TECHNICAL SKILLS**

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- Programming: Python, C++, Java
- ML/DL: Scikit-learn, TensorFlow, PyTorch, OpenCV
- NLP: Text Classification, RAG, Embeddings, Tokenization, OCR
- Data Science: Feature Engineering, Model Evaluation, Visualization
- Web Development: HTML, CSS, JavaScript, Bootstrap, Streamlit, Gradio
- Databases: MySQL (Queries, Schema Design, Joins)
- Tools: Git, GitHub, Jupyter, Google Colab, VS Code

## **6 LANGUAGES**

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- English – Fluent
- Urdu – Native

## **7 ADDITIONAL STRENGTHS**

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- Leadership & Mentoring (AI/ML Lead at MLSA, GIKI Bootcamp)
- Public Speaking & Workshop Facilitation
- Analytical Problem Solving & Research