

# Abdur Rahim

Python Backend Developer | AI Engineer

*abdurahimkhan145@gmail.com | <https://www.linkedin.com/in/abdur-rahim-718ba4227>*

*Islamabad, Islamabad Capital Territory, 44000, Pakistan | +92 325 1556457*

Skilled Python Backend Developer with strong expertise in FastAPI, PostgreSQL, Docker, SQLAlchemy, and Microservices architecture. Proven ability to build robust, scalable backend systems and APIs. Additionally, possess deep experience as an AI Engineer, specializing in generative AI, LLMs, and agent-based systems. Passionate about building production-grade software systems that blend backend engineering with intelligent automation.

## Work Experience

### Python Backend Developer | AI Engineer

Feb 2025 - July 2025

*Achieve AI | Las Vegas, USA*

I currently work at Achieve AI as a Python AI Engineer, contributing to various AI projects.

- Developed scalable backend systems using FastAPI, PostgreSQL, and Docker.
- Designed microservices architecture for AI-based applications.
- Integrated LangChain and OpenAI APIs into backend pipelines for RAG and content generation.
- Built intelligent agents for web automation using Python backend orchestration.

### Python AI Engineer

May 2023 - Jan 2025

*MakTek | Dubai, Remote*

Worked as a Data Scientist in Maktek, delivering machine learning and computer vision solutions for real-world applications.

- Designed and deployed RESTful APIs with FastAPI for ML models in production.
- Developed a complete AI and Backend eye-tracking system for autonomous wheel-chair with 0.70 ms latency in real-world application.
- Built real-time data pipelines and optimized model performance using Python.
- Performed feature engineering, data preprocessing, and visualization for model insights.
- Conducted model evaluation and tuning using metrics such as accuracy, precision, recall, and F1 score.

## Core Skills

Python, FastAPI, Flask, PostgreSQL, SQLAlchemy, REST APIs, Microservices, Docker, Git/GitHub, CI/CD and MLflow, Machine Learning(Supervised & Unsupervised Learning), Deep Learning (CNNs, Transformers), NLP, LLMs, LangChain, HuggingFace, Prompt Engineering, Retrieval-Augmented Generation (RAG), Vector Databases, AWS (EC2, Elastic Beanstalk, Sagemaker), GCP(basic), VS Code, Git, Linux, Jupyter, Postman.

## Education

**University of Engineering and Technology Mardan**

Aug 2020 - May 2024

**Bachelors of Science** Software Engineering

GPA: 3.01

**Islamia College Peshawar**

Mar 2018 - Apr 2020

**Intermediate** Computer Science

Courses: Computer Science,Mathametics,Physics,

GPA: 985/1100

## Languages

English (Full Professional ), Urdu (Full Professional ), Pashto (Native)

## Certificates

**Supervised Machine Learning**

Jul 2025

Coursera

**Complete Generative AI with Langchain and Hugging Face**

Apr 2024

Udemy

**Data Analysis Using Python**

Mar 2023

IBM

**Prompt Engineering**

Feb 2024

Deep Learning.ai

**AI Agents System with Langchain and Crewai**

Jan 2025

Deep Learning.ai