

# M. Talha Abbas

Python | Django | AI ML | AWS SAA-C03 | Full Stack Developer

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## Professional Summary

**AWS Certified Solutions Architect** and Python Developer with 8+ months of experience in designing and deploying scalable web applications. Specialized in **Django, Flask, and Generative AI (RAG, LangChain)** with hands-on cloud experience on AWS and Railway. Proven track record of contributing to enterprise-grade SaaS platforms and delivering production-ready AI solutions.

## Technical Skills

- **Languages:** Python, JavaScript, C++
- **Frameworks & Libraries:** Django, Flask, FastAPI, LangChain, LangGraph, React, Laravel, Numpy, Pandas, Scikit-learn.
- **Cloud & Tools:** AWS (Solution Architect Certified), Railway, Heroku, Git, GitHub, Postman, RESTful APIs, OpenAI, Gemini API, SQLite, PostgreSQL, Docker, CI/CD, Redis, Celery

## Education

**Bachelor of Science in Computer Science (7<sup>th</sup> sem)**

2023 – 2027

University of Education, Lahore

CGPA: 3.4

## Professional Experience

**Full Stack Engineer (Anayanex)**

January 2026 – April 2026

- **Contributed to enterprise SaaS platforms** (AI-HRMS and Global LMS) using **Django, Laravel, and React**, supporting high-revenue production environments.
- **Resolved production tickets and raised Pull Requests (PRs)** within an Agile team, ensuring stability and maintaining code standards for an enterprise-level codebase.

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**Python Developer (PITB Technology Incubator (Plan9) Contract)**

Jan 2025 – June 2025

- **Engineered Django/Flask APIs** and AI features (Fatwa Search, Voice-AI, Agents, Voice cloning) for various startups using **Gemini and OpenAI APIs**.
- **Managed cloud deployments** and DNS configuration on **Railway, Heroku, and Digital Ocean** for production-grade applications.

## Key Projects

**AI-ML Crypto Enterprise Level SaaS Platform (Ai Startup)**

[Alpharexx.io](https://Alpharexx.io)

*Python, Django, Flask, RESTful APIs., Redis, Pgsql, ML Models, CI/CD, Contabo Deployment*

- **Architected a professional-grade SaaS platform** for automated cryptocurrency trading, utilizing **Decision Tree models and feature engineering** to generate precise market signals and analytics.
- Engineered **Developed a scalable backend with Redis and Celery** for real-time market data processing, including a multi-tier dashboard with subscription-based access control.

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## Freelance Projects

*AI Agents & Business Automation Suite | LangChain, WhatsApp API, Pinecone, ElevenLabs*

- **Developed a custom WhatsApp CRM** for retail clients to automate customer support and lead management using the **WhatsApp Business API** and React.
- **Built RAG Agents and Voice Cloning modules** (LangChain, ElevenLabs) for high-accuracy document retrieval and personalized voice interactions in commercial apps.
- **Engineered an Islam360-style Search API** with semantic filtering and a voice-interactive AI toy for real-time mobile app integration.

## **Certifications**

- AWS Solution Architect SAA-C03 (AWS Certified)
- Meta Back-End Developer Professional Certificate – Coursera
- Generative AI Professional – Oracle
- Robotics Certified – PGC