Muhammad Rehan Majeed

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Software Developer with experience in full-stack development, database architecture, and machine learning. Focused on building secure, scalable, and data-driven applications. Seeking opportunities in Software Engineering, Data Science, or AI/ML.

Experience

Mavericks United Lahore, Pakistan
Associate AI Automations Engineer Jan 2026 – Sep 2026

- Built production-grade AI automation systems using Python, LLM APIs, and agentic AI frameworks.
- Integrated multiple LLM providers and AI services to deliver scalable, real-world automation solutions.
- Worked on Business Development (BD) Automation Agent that automated the complete BD lifecycle, including lead discovery, qualification, outreach, follow-ups.

SmartTec Analytics — Industry Collaboration Lahore, Pakistan
Industry Collaborated Final Year Project Dec 2025 – May 2026
AI/ML Engineer

- Collaborated with SmartTecAnalytics to develop ChatBU, a production-oriented RAG-based AI assistant for Bahria University, grounded in official institutional documentation.
- Engineered the AI/backend pipeline using Python, Django REST Framework, LangChain, FAISS, intfloat/e5-base-v2 embeddings, and Gemini, including document ingestion, semantic retrieval, similarity thresholding, and source citations.
- Built MySQL + Power BI analytics for query logging, program/intent classification, and administrative insights; deployed the system using AWS EC2, Netlify, Cloudflare Tunnels, and PM2.
- Achieved 98.2% overall accuracy, < 1% hallucination rate, and 99.9% availability during evaluation, with ChatBU deployed for use at Bahria University Lahore Campus.

Systems Limited Lahore, Pakistan
Full-Stack Developer (Intern) July 2025 – Sep 2025

- Built responsive front-end applications using ReactJS, HTML, CSS, JavaScript, Bootstrap, Tailwind CSS
- Designed and implemented backend APIs with Django REST Framework and integrated with MySQL databases
- Implemented JWT authentication for secure user access and dashboard management

Skills & Interests

Languages: Python, JavaScript, C/C++, SQL

AI/ML: PyTorch, TensorFlow, Scikit-learn, Deep Learning, LLM APIs, Agentic AI Frameworks, Retrieval-Augmented Generation (RAG), LoRA Fine-Tuning, Pandas, Matplotlib, Seaborn, PythonAsync

Backend: FastAPI, Django REST Framework, REST API Design, JWT Authentication, OAuth2, API Testing (Postman, Thunder Client)

Frontend: React.js, HTML, CSS, Bootstrap, Tailwind CSS

Databases: MySQL, Microsoft SQL Server, SQLite, Supabase, PostgreSQL, Mongodb

Tools & Platforms: Git, GitHub, Linux, Google Colab, Power BI, PyCharm, MySQL Workbench

Projects

ChatBU | Developed a RAG-based AI assistant using React JS, Django REST, and MySQL. Integrated Power BI dashboards for real-time analytics on student queries and system performance.

Content Creation Automation Bot — Team Project | Owned backend and authentication security for a Telegram bot generating AI videos: built OAuth2 publishing routes for YouTube, TikTok, and Instagram in FastAPI, migrated credentials to environment variables, and brought all 15 integration tests to passing.

DormFlow DB | Designed a normalized MySQL database for hostel management. Implemented normalized schema ensuring data integrity and CRUD operations to automate student records and room allocation workflows.

SwiftStay | Built a modular C++ booking system using OOP principles. Integrated file handling for persistent data storage and automated travel cost calculations.

TalentAI – AI-Powered Recruitment | Built an intelligent recruitment management system using FastAPI, ReactJS, and SQLite. Integrated AI-driven resume screening, candidate-job matching, and automated candidate evaluation to support data-driven hiring decisions. Developed secure RESTful APIs and end-to-end recruitment workflows for efficient talent acquisition.

BD Automation Agent — Browser Automation Engine | Built the autonomous browser-automation module of an AI-driven job-application platform using Python and Playwright. Engineered a vision-driven agent loop (screenshot + scoped DOM → LLM picks one action → execute → repeat) that fills and submits applications across 20+ ATS platforms (Greenhouse, Lever, Workday, Dice, Ashby, iCIMS). Integrated captcha-solving and Gmail OTP verification, and a learned-selector memory to cut LLM cost, achieving real end-to-end confirmed submissions.

Education

Bahria University
Bachelor of science, Computer Science(CGPA = 3.45/4.00) 2022-2026

Certificates

Certified AI Foundations Associate | Oracle
Data Science and Analytics Certification | HP LIFE
Google AI Essentials | Coursera
Claude Code 101| Anthropic
Claude Code in Action| Anthropic
Claude 101| Anthropic