

# Mehar Umar

AI and Backend Engineer

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## Personal Profile:

Passionate Machine Learning and Backend Engineer with expertise in AI, backend development, data science, and advanced algorithms. Proficient in Python, C++, Java, JavaScript, and DSA, enabling high-performance, scalable AI solutions. Skilled in FastAPI, Django, cloud technologies, deep learning, and NLP, optimizing architectures and automating intelligent systems. Committed to leveraging AI for impactful, real-world problem-solving.

## Education:

### Bachelor of Science in Artificial Intelligence

Government College University (GCU), Lahore  
| 2023 – 2027

### FSc (Pre-Engineering)

Punjab Group of Colleges (PGC), Okara  
| Completed: 2023

## Skills:

<b>Programming:</b>	Python, C++, Java, JavaScript
<b>AI &amp; Automation:</b>	ML, NLP, AI Model Deployment, Python Automation (Playwright, BeautifulSoup, Selenium)
<b>Backend Development:</b>	Python, FastAPI, Django, API Optimization
<b>Databases:</b>	MySQL, PostgreSQL, MongoDB
<b>Security &amp; Authentication:</b>	OAuth2, JWT
<b>Frontend:</b>	React (Dashboards, API Integration)
<b>DSA &amp; Problem-Solving:</b>	Optimized Algorithms, Data Structures
<b>Tools &amp; DevOps:</b>	Linux, Git, Docker, Postman, Cloud Deployment

## Projects:

### AI-Powered Resume Screening

An NLP-based system for job matching and resume analysis, featuring NER, classification, and recommendation models. *(Python, NLP, Machine Learning)*

### Python HYIP

A Django-based High Yield Investment Program (HYIP) system with secure authentication, investment tracking, referral mechanisms, and an admin dashboard. *(Python, Django, HTML, CSS, JavaScript)*

### E-Learning Platform

A full-stack learning management system with FastAPI (backend) and React (frontend), supporting courses, modules, and student-teacher interactions. *(Python, FastApi, React)*

### Instagram Automation

Automated Instagram account creation and login using Playwright, temporary emails, and proxy support. *(Python, Playwright, MySQL)*

### Employee Management System (EMS)

A web-based system for managing employees, tasks, payments, and profiles with an admin panel. *(Python, Django, HTML, CSS, JavaScript)*

### Cargo Management System

A Java-based system for managing cargo, users, deliveries, and inventory with role-based access (Admin, Staff, Customer). *(Java, OOP)*

## Reference:

Available upon request.