

# Minhal Awais AI Developer

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## PROFILE

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AI Engineer specializing in intelligent automation, with expertise in developing Python-based solutions that enhance operational efficiency. Designed and deployed AI systems like grievance management and document processing tools, achieving 45-90% efficiency gains for 1,000+ users. Passionate about building production-ready AI applications that solve real-world business challenges through NLP, data analysis, and workflow automation.

## TECHNICAL SKILLS

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**AI & Machine Learning** — Proficient in building AI solutions using PyTorch, Transformers, Integrating LLMs and Scikit-learn for automation, document analysis, and real-world intelligent systems.

**Backend & API Development** — Experienced in Python (FastAPI, Flask), PostgreSQL, MongoDB and REST APIs for building scalable, secure, and high-performance backend services.

**Tools & Workflow** — Skilled in Git, Postman, Jupyter, Colab, and Vercel with hands-on experience in model integration, testing, and deployment pipelines.

## WORK EXPERIENCE

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### Fruit of Sustainability, AI Software Engineer

01/2024 – Present | Lahore-Hybrid

- Led development of Pakistan's First AI-driven Grievance Management System (FastAPI/React) for 1,000+ users, boosting resolution rates from 60% to 87% via NLP sentiment analysis and reducing escalations by 30%.
- Integrated AI-based analysis on complex complaints data and automated survey report generation, reducing manual effort by 50% and improving insight accuracy.
- Built sustainability reporting dashboard (Python/FastAPI) for 50+ NGOs, automating 80% of ESG data aggregation and cutting report generation time from 10 hrs → 6.5 hrs.

### TTI Testing Laboratories, Automation Intern

08/2023 – 10/2023 | Lahore

- Designed Python automation scripts for QA reports, slashing manual effort by 70% (saving 15+ hours weekly) and reducing errors by 40% via data validation checks.
- Refactored API endpoints (Python/Flask), reducing latency by 25% for 500+ daily requests.

## PROJECTS

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### FinAudit-AI - Intelligent Audit Automation Platform, FYP

- Architected full-stack audit tool (FastAPI/React) with Llama & Groq AI for document parsing, automated PCI-DSS and SOX checks, automating 90% of manual workflows and detecting 85%+ anomalies (vs. industry avg. 65%).
- Integrated OCR, rule-based sampling, and NLP checks to cut review time by 60% (8 hrs → 3.2 hrs per audit).

### Vision-Language AI for Automated Image Captioning

- Built a ViT-ROBERTa-based captioning model generating human-like image descriptions with 90%+ accuracy, improving accessibility, content indexing, and visual search using PyTorch and Hugging Face Transformers.

### AI-Powered Resume Ranking System Using MPNet

- Developed an AI resume screening tool using MPNet embeddings, achieving 80%+ top-5 match accuracy and reducing manual shortlisting time by 70% through semantic similarity and automation.

## EDUCATION

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### University of Management and Technology,

11/2021 – 07/2025

Bachelor of Artificial Intelligence

GPA: 3.51

### Pak-Turk Maarif International College, FSc Pre Engineering

03/2019 – 05/2021

Marks: 945/1100