

YAWAR ABBAS

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

University of Management and Technology (UMT)

Bachelor of Science in Software Engineering

Lahore, Pakistan

2023 – 2027 (Expected)

- CGPA: 3.45 / 4.0 | Most recent semester GPA: 3.93 / 4.0
- 35% Merit Scholarship recipient
- Relevant coursework: Data Structures & Algorithms, Database Systems, Software Architecture, OS, Computer Networks, Web Engineering, Machine Learning, Information Retrieval, Mobile App Development

EXPERIENCE

Operations Lead & Co-Founder — Fiber & Wireless ISP

Choti Zareen, Punjab

September 2024 – Present

- Grew active customer base from 20 to 300+ connections within 9 months by leading field operations, direct sales, and marketing across one full town and two adjacent villages
- Secured 30+ advance-payment customer commitments before service launch, funding initial fiber infrastructure rollout
- Coordinated a field team of 5–10 technicians across fiber installation, home connections, and last-mile troubleshooting
- Performed hands-on fiber splicing, OLT configuration, MikroTik router setup, and server room maintenance

PROJECTS

asmaan.com — Satellite-First Real Estate Marketplace (Final Year Project — Team Lead)

Django 5 | React 18 | PostGIS | GeoDjango | Mapbox GL JS | XGBoost | Tailwind CSS | Jira

- Lead 3-person team building Pakistan's first satellite-first AI-powered real estate marketplace; manage 170+ task Jira backlog across 4 planned sprints
- Delivered Sprint 1 end-to-end vertical slice (35 tasks) by architecting the React 18 + Vite + Tailwind frontend and integrating Mapbox GL JS satellite tiles with a PostGIS-backed Django REST API
- Built live price-label pin rendering system that plots property data from PostGIS PointField queries onto Mapbox satellite imagery of Lahore
- Architected axios service layer and useProperties custom hook powering category-filtered property retrieval across /buy, /rent, /plots routes
- Designing XGBoost neighbourhood scoring pipeline and cosine similarity recommendation engine for Sprint 3

Campus Lost & Found — AI-Powered Item Recovery Platform (Solo)

Django | scikit-learn | TF-IDF | Cosine Similarity | Bootstrap 5 | SQLite

- Built a Django web application that uses TF-IDF vectorization and cosine similarity to surface likely matches between lost and found item reports
- Cached TF-IDF vectorizer at application level so matching queries return in under 200ms inside the Django request cycle
- Implemented authentication, image upload, category-based search, and a responsive Bootstrap 5 UI

Automation Engineering Portfolio — 8 Production-Style Workflow Builds (Self-Initiated)

HubSpot | GoHighLevel | Shopify | Airtable | WhatsApp Business API | UChat | OCR

- Built 8 end-to-end workflow automations against real client briefs sourced from public job postings: HubSpot ↔ WhatsApp ↔ Slack lead routing, Shopify order fulfillment, WhatsApp OCR bill processor, GoHighLevel lead booking with SMS confirmation, Airtable + HubSpot event management, UChat and WhatsApp chatbots, and Upwork job-hunt alerting

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, PHP, C++, SQL, HTML, CSS

Backend: Django, Django REST Framework, GeoDjango, Express.js **Frontend:** React 18, Vite, Tailwind CSS, Bootstrap 5, Mapbox GL JS

Databases: PostgreSQL, PostGIS, SQLite, MySQL **ML & Data:** scikit-learn, XGBoost, pandas, TF-IDF, Cosine Similarity

Automation: HubSpot, GoHighLevel, Shopify, Airtable, WhatsApp Business API, UChat, OCR pipelines

Tools: Git, GitHub, Jira, Figma, Postman, VS Code **Network & Infra:** MikroTik, OLT configuration, Fiber Splicing

LEADERSHIP, CERTIFICATIONS & LANGUAGES

- UMT ACM Society — Web Development Team Member (co-organize hackathons and programming competitions); Class Representative across multiple courses

Certifications: HTML Essentials — Cisco Networking Academy **Languages:** English (Professional), Urdu (Native), Saraiki (Native), Balochi (Conversational)