

KHALID ALI KHAN

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Education

University of swat

Bachelor of Science in Computer Science

aug. 2020 – sept 2024

Swat, KPK

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Web Development
- Search Engine
- Optimisation
- Systems Programming
- Professional Practice

Experience

Xmind Limited

Lead Backend Developer

2024 – Present

Sydney, Australia

- Designed and developed a Python/Django RESTful car-park management system with PostgreSQL.
- Deployed and operated v1 in Sydney, ensuring high availability, performance monitoring, and scalability.
- Led and mentored a backend team, implementing agile workflows and CI/CD pipelines for continuous delivery.

LazyAlgo Startup

Co-Founder

May 2020 – 2024

Swat, KPK

- Built a suite of custom products—university portals, currency exchange platforms, and POS systems for businesses.
- Led development and maintenance end-to-end, ensuring reliable performance and delighted clients.

ARKPLUS

January 2024 – July 2024

Telegram Bot Developer

Remote

- Deployed intelligent Telegram bots using the Telethon library, automating user interactions and backend workflows.
- Designed scalable message handlers and API integrations to ensure robust, real-time communication for performance.

Projects

Car Park Management Service: Built a scalable SaaS platform for car park management with real-time occupancy monitoring and automated billing workflows. I have worked on dashboards for customers, administrators, and employees.

University Management System: Built a full-fledged university system for a local medical sector, featuring a landing page, dashboard, student portal, and teacher portal.

Finance and Exchanger: Developed finance and POS (point-of-sale) software to help businesses manage inventory and finances, and built a real-time currency exchange tracking system.

AI ChatBot (Billing System): Developed and trained a chat-bot using the PTCL (internet provider) data set, to answer the customer using the existing data set and fine-tune the response through GPT OpenAi API.

Custom CMS: Created several custom content management systems for high-profile bloggers, implementing advanced SEO techniques and best practices.

Technical Skills

Languages: Python (Django, DRF, Flask), JavaScript (React.js, HTML5, CSS3), C++, SQL

Frameworks: Django, Django REST Framework, Flask, React.js, Bootstrap5

AI/ML: Langchain, Transformers , OpenCV, RAG

Cloud DevOps: AWS (EC2, S3, RDS), Ubuntu, GCP, Server Management, Git

Databases: PostgreSQL, MySQL, SQLite3

Leadership / Extracurricular

Computer Science Club, President

2021 – 2024

Organized bi-annual hackathons and technical workshops for 25+ students in university of swat.

Peer Mentor, Volunteer Tutor

2020 – Present

Provided weekly tutoring in web development algorithms, improving cohort performance by 25%.