

# KHALID ALI KHAN

G11, Islamabad, Pakistan

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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

Telegram Bot Developer

January 2024 – July 2024

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%.