

# Ali Khan

Lahore, Pakistan | [wocx@wocx.xyz](mailto:wocx@wocx.xyz)

[GitHub \(Wocx32\)](#)

## Experience

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Software Engineer Intern | [Bookme.pk](#), Lahore, Pakistan

06/2024 – 08/2024

- Developed an AI-powered Itinerary recommendation system using LangChain and GCP Vertex AI, helping in Bookme's Middle Eastern expansion and enhancing user engagement.
- Created an OCR system for Bookme's Umrah service utilizing GCP Document AI, achieving high accuracy in passport data extraction.
- Handled deployment of API's using GCP Compute Engine and Docker along with Caddy as reverse proxy.
- Collaborated with Google Cloud engineers to optimize use of GCP resources.

Teaching Assistant | *Forman Christian College, Lahore, Pakistan*

02/2024 – 06/2024

- Contributed to an inhouse coding assignment platform using React, Firebase and Docker.
- Setup automated grading for labs using GitHub Classroom.
- Developed automated workflows for grading assignments.

## Projects

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Project Common Room | *Python, JavaScript, HTML, CSS, Docker*

- Developed a collaborative web application used by hundreds of college students to find information on available classrooms.
- Utilized Python, Selenium and BeautifulSoup 4 for data extraction from college schedules and created RESTful API using Flask.
- Integrated analytics and monitoring using Umami, Prometheus and Grafana to track usage and performance.

Cobster | *Python, SQLite, Docker*

- A Python-based service utilizing Reddit API and Discord Webhooks.
- Fetches the latest posts from various subreddits and posts them on a Discord server effectively managing duplicate entries via SQLite.
- Deployment process is streamlined using Docker ensuring reliable production deployment

## Education

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Forman Christian College (A Chartered University)

2021 – 2025

BS (Hons) Computer Science | Lahore, Pakistan

## Skills & abilities

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- **Development** | *Python, Go, SQL, C, JavaScript, HTML, CSS, Flask, Nginx, SQLite, SQL Server*
- **Operating Systems** | *Linux*
- **Misc** | *Docker, Prometheus, Grafana, scikit-learn, pandas, NumPy, Git, GitHub, GCP, MS Office*