

# Faisal Zafar

✉ faisalzafar781@gmail.com — [in linkedin.com/in/Faisal Zafar](https://www.linkedin.com/in/FaisalZafar) — [github.com/FaisalZafar781](https://github.com/FaisalZafar781)

**Summary** — A software engineer with over 1 year of professional experience, fostering a strong culture of collaboration. Possessing deep technical expertise in designing and building cross-platform mobile applications to meet enterprise-scale needs. The main goal is to find an efficient and straightforward solution to satisfy business needs.

## Skills

**Languages** Python, Dart  
**Cloud** Docker  
**Frameworks** Django, Flutter

**Databases** PostgreSQL, MongoDB, MySQL  
**Data Science** Pandas, Matplotlib, Numpy

## Experience

### Stack Pinnacle

Feb 2025 - Present

*Associate Software Engineer*

- Key contributor to the development of SwyftBooking’s mobile app, a comprehensive booking platform encompassing 12+ modules including rideshare, freight, travel, and accommodations. Focused on feature delivery and UI/UX for high-complexity modules using Flutter.
- **Multi-Role Booking Flows:** Designed and implemented rider/driver and shipper/driver flows for the rideshare and trucking modules. Built end-to-end logic for booking, acceptance, live tracking, pickup, and drop-off, ensuring reliable state transitions and seamless user experience across roles.
- **Real-Time Location & Maps Integration:** Integrated Google Maps to support real-time driver and rider tracking, route visualisation with polylines, and nearby vehicle detection. Consumed backend socket emitters to render dynamic map updates and location markers.
- **State Management & UI Architecture:** Leveraged Provider for consistent and scalable state management across modules. Created intuitive, responsive UIs without external design input, focusing on smooth navigation, role-based views, and usability.
- **Collaboration & Version Control:** Followed a feature-branch Git workflow to isolate changes, push updates, and create pull requests for review. Collaborated with senior developers to ensure clean and maintainable code, and reviewed code before merging it to the main.

### Techup-24

Nov 2024 - Jan 2025

*Flutter Developer*

- Key contributor to the design and development of Brodgram, a cross-platform sports event management app connecting users and organisers through real-time features and intuitive workflows. Delivered a performant mobile experience using Flutter and Firebase services.
- **Feature Development & User Workflows:** Implemented event participation and hosting functionalities, including in-app ticket purchases and secure card payments. Developed tailored user and organizer flows to support distinct use cases with seamless transitions.
- **Maps Integration & Real-Time Sync:** Integrated Google Maps for live event location tracking. Leveraged Firebase Realtime Database to enable instant data synchronisation across user devices, ensuring timely updates and reliable state management.
- **State Management & User Settings:** Utilized the Provider package for efficient state handling across views. Implemented robust user profile and settings features to support personalised experiences.

## Projects

### Lesson Planner GPT

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- Developed a web application for creating and refining lesson plans using GPT, with a unique "Honest Mode" ensuring clear responses when no relevant data is found.
- Integrated dynamic prompt construction, utilised Pinecone for advanced search and retrieval functionality, utilising user-selected personas, philosophies, voices, and tones to generate tailored lesson plans, while ensuring smooth workflows for query refinement and follow-up interactions.

- Built a backend with Django, implementing models for chat history and user authentication. Ensured real-time interaction and efficient handling of lesson generation requests.
- Designed a responsive frontend with ReactJS, offering a seamless chat interface, dynamic persona selection, and easy access to previously created lesson plans.

## Education

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### **NUST - National University of Science & Technology**

*Bachelor of Engineering in Computer Engineering*

### **Punjab Group of Colleges, Sadiqabad**

*Intermediate in Computer Science*

### **MTB - Madrasa-tul-Banat Schools and Colleges, Sadiqabad**

*Matriculation*