

# Rashik Raj

0405234124 | [rajrashik@outlook.com](mailto:rajrashik@outlook.com) | [linkedin.com/in/rxzhik](https://www.linkedin.com/in/rxzhik) | [github.com/rxzhik](https://github.com/rxzhik) | [rashikraj.com](https://rashikraj.com)

## Education

---

RMIT University  
Bachelors in Computer Science

Melbourne, VIC  
Feb. 2022 – Dec. 2024

## Experience

---

### Web Developer at RISC RMIT

April 2024 – December 2024

(RMIT Information Security Collective)

Melbourne, Vic

- Developed and maintained a full-stack web application using Next.js, Node.js, Express, PostgreSQL and Deployed it using Vercel.
- Crafted an engaging online platform for the club, featuring interactive blogs, a comprehensive timeline of events and seamless application forms. Collaborated with a team using github projects.

### Freelance Software Developer

May 2024 – Present

(Creating solutions for Instagram Influencers)

Melbourne, Vic

- Collaborated with a team of 4 to build solutions like website, email servers & mobile application for Instagram influencers to help sell their courses to their audience and enhance their online presence.
- My team has worked with multiple clients and had to use a diverse tech stack for each of our clients. Some of which were Flutter, React-Native, Firebase for mobile development and React, Next, Redux, Express, Firebase, Django, Redis for web development. We mainly used AWS & GCP for deployment of our applications.

### Software Developer at TechZenith ([techzenith.com.au](https://techzenith.com.au))

September 2024 – January 2025

(A Tech Consultancy Startup for small to medium businesses)

Melbourne, Vic

- Creating tech solutions for small to medium businesses to grow their online presence and building websites for them to market their products online.
- We use a variety of frameworks and mainly use AWS for cloud infrastructure. We also incorporate a variety of AI tools into our development workflow to increase productivity but also maintain control and understanding of the underlying structure.

## Personal Projects

---

### Altemira-Fitness (Freelance Client) | React, Tailwind, Django, Firebase, Stripe, Redis, Postgres, AWS

- This was a freelance job I got from our client who was an Instagram influencer. She wanted to sell courses online to her followers so we developed a website for her including payment with all the necessary securities. This was a great learning experience to work with a client and a team collaboratively and deliver value to the client with deadlines.
- I was responsible for the complete backend development and deployment for this application. I used Firebase for authorization, Django for backend and Postgres for database. I had to develop a payment gateway using Stripe and used Celery with Redis for task queueing.

### Loop Cinemas | JavaScript, React, POCO(UI), Jest, Node.js, Express, Sequelize, MySQL

- Utilized React with JavaScript for the frontend, Jest for testing, and built the backend on Node.js with Express.
- Employed Sequelize as the ORM, integrating a MySQL database. Collaborated using Agile methodology with a team partner for development.
- Developed a Full-Stack Website using REST API. The user could browse through movie details, book and edit tickets for movie sessions and also leave reviews for movies.
- Implemented user profile, the users could edit their details with session login.

## **Scooter Management System | Raspberry Pi, Gemini API, WebSockets, GCP, Node.js, MySQL, UI Design**

- Developed a scooter management system using Raspberry Pis, with a mother Raspberry Pi coordinating multiple scooter Raspberry Pis for my university project. Integrated a MySQL database hosted on GCP to store and manage scooter data, including status updates and repair needs.
- Implemented Gemini API to allow the administrator to interact with the database using natural language, enabling easier management and querying. Utilized WebSockets for real-time communication between the scooters and the admin interface.
- Designed a user-friendly UI for three types of users—engineers, admins, and customers—allowing them to interact with the system. Admins could monitor and manage scooter statuses, while engineers could track repair needs, and customers could view scooter availability.

## **Smarty | Swift, SwiftUI, Google Gemini , Rapid API**

- Implemented an AI powered smart shopping app in SwiftUI which has a tinder like swiping feature to collect userdata to optimize AI powered preference for them.
- This was a university project, where we developed an application that uses Rapid API to fetch clothing data and based on the user's swipes we collected data and used that data to generate clothing suggestions from google gemini.

## **Technical Skills**

---

### **Languages:**

Java, Python, Flutter, Swift, C/C++, SQL (Postgres), JavaScript/TypeScript , HTML/CSS, LC3, C#

### **Frameworks, Tools and Packages:**

React, Node.js, Spring Boot, Django(rest\_framework), Flask, Express, Stripe, Celery, Redis, JUnit, Jest, UI(Material-UI, TailwindCSS, Bootstrap5) , RestAPI, GraphQL, Maven, MySQL, SQLite, PostgreSQL, Sequelize, Hibernate, h2-console, JWT, Next.js, Redux, Firebase, SwiftUI, Meta XR

### **Developer Tools:**

Git, Docker, AWS, Firebase, VS Code, IntelliJ, Vercel, Github Actions, Flutter-flow(low-code tool for mobile application), Frappe & Odoo(low-code tool for web application), Unity

### **Data Science Libraries:**

Pandas, NumPy, Matplotlib, SciPy

## **Certifications**

---

- **AWS Cloud Practitioner**
- **Bachelors' Degree in Computer Science from RMIT University**

## **Interests & Hobbies**

---

- Active Member in **Google Developer Group** Community and **GDSC**. I am also the sponsorship and marketing manager at our university's computer science club called **RISC**.
- Technologies that I enjoy are **AI & Machine Learning**. It feels more like a quest to discover human intelligence which piques my interest. Blockchain, Web3 and its possibilities are some other technologies I like exploring.
- I enjoy **running, camping** and **traveling** to discover new culture and places. I love reading **philosophy books** as well.