

# Viraaj Kapadia

+64 21 056 8006 | kapadiaviraaj@gmail.com | linkedin.com/in/viraaj-kapadia | viraajkapadia.com

Final-year Software Engineering student. Proficient in Java, Python, C#/C and grounded in software engineering principles, quality assurance, and agile methodology. Eager to learn, take on challenges, and contribute to advancements in tech.

## Education

---

### University of Auckland

*Expected 11/2026*

Bachelor of Engineering (Honours) – Software Engineering

GPA: 7.75

Coursework: OOP, Database Systems, Software Quality Assurance, Data Structures and Algorithms

## Work Experience

---

### Software Intern - Sentenal

*Jan 2026 – Present*

- Built a React/Vite/TypeScript frontend for autonomous fleet operations, including authenticated user flows, role-based access control, and multi-page navigation for layouts, paths, settings, and bot management.
- Developed interactive map-based planning tools using Google Maps, allowing users to create and edit layouts, place markers, define navigation paths, and validate configurations before deployment.
- Built real-time fleet dashboards connected to real autonomous boats, supporting live status polling, map visualisation, bot control, and mission/layout deployment workflows.

## Projects

---

### Android E-commerce Platform

*Java, XML, Firebase*

*1st Place – YouSee Soft Competition*

- Developed a custom Android e-commerce store in Java, implementing user accounts, core shopping features, and a polished Material Design UI.
- Built full-stack capability with Java backend logic and XML-based UI, with UI/UX design considerations.
- Integrated Firebase for real-time data storage and authentication, supporting scalability, maintainability, and security.

### JoinMe

*React Native, Node.js, PostgreSQL*

- Developed a cross-platform mobile event-planning application using React Native, enabling users to discover, create, and join events through community groups and friend circles within a map-based interface.
- Built a full-stack solution with Node.js/Express and PostgreSQL, implementing user authentication, community management, event hosting, and personalised sport-based event discovery.
- Integrated Google Maps API / Mapbox, Supabase, and cloud deployment tools to deliver a scalable real-time mobile experience across iOS and Android.

### Sign Language Recognition

*Python, PyTorch, PyQt5*

- Created a real-time sign language recognition application using a custom-trained CNN model with PyTorch and Python.
- Built an intuitive PyQt5 UI enabling training workflows, real-time prediction, and live webcam analysis.

## Technical Skills

---

**Languages:** Java, Python, TypeScript, JavaScript, SQL, C/C#, HTML/CSS, XML

**Frameworks/Libraries:** React, Vite, React Native, Node.js, PyTorch, JavaFX, PyQt5

**Tools/Platforms:** PostgreSQL, Firebase, Supabase, Google Maps API, Git

## Soft Skills

---

Collaboration | Time Management | Critical thinking | Problem solving | Resilience under pressure

## Hobbies

---

In my spare time, I enjoy playing football and table tennis, trying different food, and building PCs.

## References

---

Available upon request.