

Krish Parekh

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EDUCATION

- **Royal Melbourne Institute of Technology** Melbourne, VIC
Master of Information Technology; GPA: 3.9 / 4.0; WAM: 90.53 Feb 2024 – Dec 2025
- **Usha Pravin Gandhi College** Mumbai, MH
Bachelor of Science in Information Technology; CGPA: 9.78 / 10.0 Apr 2020 – May 2023

EXPERIENCE

- **Capyra** Melbourne, VIC
Software Engineer Intern Jul 2025 – Nov 2025
 - Migrated the app from Ionic to Next.js, improving page load performance by **40%** with SSR and increasing SEO performance from **0 to 96 (Lighthouse)** through improved metadata, routing, and rendering.
 - Redesigned backend services by migrating from JavaScript to Python (FastAPI) and implementing a **WebSocket**-based streaming pipeline for real-time **STT** and **TTS**. Achieved **P95 latency of 450 ms** (down from 1 second) and improved translation accuracy by **18%** via Google Vertex AI integration.
 - Optimized container builds using multi-stage Docker, reducing frontend image size from **1.2 GB to 400 MB** and backend from **743 MB to 537 MB**. Automated image publishing to **GCP Artifact Registry** and deployed services to **Cloud Run**, significantly reducing cold-start latency and enabling faster rollouts.
- **Ethan.AI** Bengaluru, KA
Software Engineer Jan 2023 – Feb 2024
 - Migrated frontend from JavaScript/React to Next.js/TypeScript with Ant Design, **reducing code size by 55%**, improving SEO, optimizing components with SSG, **lowering LCP and FCP**, and reducing UI/UX defects by **40%**.
 - Optimized backend APIs for report generation using improved SQL queries, caching layers, and **cron-job** pipelines, **enhancing P95 API performance by 30%**.
 - Automated infrastructure with Terraform and CI/CD, migrating backend from manual AWS provisioning to GCP; shifted frontend hosting to AWS Amplify, **reducing deployment costs by 30%**.
 - Developed a database crawler to automate bug detection, reducing operational time by **1 hour** and improving data quality from **75% to 98%**.
- **Brainly Panda** Remote
Android Developer Intern May 2022 – Aug 2022
 - Upgraded food delivery fare calculation module by integrating **Google Maps Matrix API** for real-time dynamic pricing based on distance, traffic, and fastest routes, **increasing revenue by 65%** through more accurate and competitive pricing.
 - Developed a full-stack Android data entry application with Express.js backend, transitioning from manual to digital processes, **improving operational efficiency by 40%**.

PROJECTS

- **JobSpot** | [GitHub](#) (72 Stars): Developed an Android app to assist students in job searches, featuring job listings, mock tests, application tracking, and real-time notifications. Utilized **Firebase Authentication**, **Firebase Realtime Database**, and **Firebase Cloud Storage**, with a user-friendly interface.
- **Planets** | [GitHub](#) | [Live](#): An interactive Three.js scene showcasing four planets arranged on an orbit with a starfield background and smooth scroll-driven transitions. Built with **Vite**, **Three.js**, and **GSAP**.
- **Zajno** | [GitHub](#) | [Live](#): A single-page, Zajno-inspired portfolio experience built with **Vite**, **TailwindCSS**, **GSAP**, **Lenis**, and **Three.js**, blending layout sections with a **WebGL** shader-driven hover effect.

TECHNICAL SKILLS

- **Languages:** TypeScript, Java, Python, GoLang, HTML, CSS, JavaScript
- **Frameworks:** Next.js, Express.js, FastAPI, React, TailwindCSS, Ant Design, Jest, Pytest, Cypress, Three.js
- **Databases & ORMs:** PostgreSQL, MongoDB, DynamoDB, SQLite, Redis, TypeORM, Drizzle
- **DevOps & Deployment:** AWS, Terraform, Docker, Kubernetes, Nginx, GitHub Actions, Supabase, Firebase

CERTIFICATIONS

- **AWS Cloud Practitioner Essentials** | [Certificate](#): Apr 2025
- **Jetpack Compose Crash Course** | [Certificate](#): Apr 2022
- **Data Structures and Algorithms** | [Certificate](#): May 2021