

ABHINAV KATARIA

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Residency Status: 485, Temporary Graduate Visa www.github.com/Abhinav-kat

GRADUATE SOFTWARE ENGINEER & PROJECT COORDINATOR

Cranbourne, VIC

PROFESSIONAL SUMMARY

Master of Computer Science (Management) graduate from The University of Queensland with strong foundations in full-stack development, cloud computing, and applied AI. Experienced in building scalable web applications using React, Node.js, and TypeScript, with a proven track record of translating complex real-world problems into structured technical solutions through research-driven thesis work. Detail-oriented and execution-focused, with a unique ability to align technical systems with broader business objectives.

ACTIVITIES AND INTERESTS

- Networking: Active member of UQCS and UQBSPA Networking groups, engaging with industry partners on backend engineering and cross-functional software environments.
- Professional Development: Participated in UQ Employability Week to connect with recruiters across tech and hybrid roles.
- Cybersecurity: Completed a virtual internship with Goldman Sachs focused on database security and cracking leaked password databases.

KEY SKILLS

- Programming: JavaScript, TypeScript, Python, SQL, C++, Java.
- Frontend: React, Next.js, Tailwind CSS, shadcn/ui, MUI.
- Backend & API: Node.js, Express, REST APIs, Clerk.
- Databases: PostgreSQL, MySQL, MongoDB.
- Cloud & Tools: AWS, Google Cloud, Git, Vercel, Figma, Docker.
- Concepts: Agile, SDLC, Microservices, CI/CD, Project Management.
- Languages: English (Fluent) and Hindi (Native)

WORK & PROJECT EXPERIENCE

Emergency Dept. Communications Researcher | UQ Thesis Project

Feb 2025 – Nov 2025

- Designed dashboard-level interface improvements to support clinical handover communication using the ISBAR framework.
- Collaborated with clinical stakeholders at PA Hospital and RBWH to co-design and validate design interventions.
- Applied HCI and UX principles via Figma prototyping to reduce information overload through iterative wireframe development.

AI Resume Analyzer | Full Stack Developer

August 2025

- Developed a full-stack web app using Next.js and Gemini AI to generate personalized resumes and structured interview feedback.
- Integrated Clerk for secure authentication and managed time-slot logic with Prisma and PostgreSQL.
- Designed a fully responsive, accessible UI using Tailwind CSS and shadcn/ui.

Full Stack Scheduling App | Project Lead

October 2025

- Built a scheduling platform enabling real-time meeting bookings via Google Calendar API integration.
- Managed role-based route access and user availability logic using Node.js and PostgreSQL.

EDUCATION

Master of Computer Science (Management) | GPA: 5.58/7

University of Queensland | Brisbane, Australia

Feb 2024 – Nov 2025

- Relevant coursework in Cloud Computing, Web Information Systems, Advanced HCI, and International Business
- Recipient of the Dean's Commendation of Academic Excellence.

Bachelor of Engineering (Computer Science) | GPA: 7.64/10

Thapar Institute of Engineering & Technology | Punjab, India

Oct 2020 – Dec 2023

- Foundation in Data Structures & Algorithms (DSA), DBMS, Machine Learning, and Quantum Computing.