

EDUCATION

University of New South Wales, Sydney, AU	August 2023 – Present
• Bachelor of Science (Computer Science)	
Podar International School, Mumbai, IN	March 2021 – February 2023
• Cambridge Advanced/Advanced-Subsidiary Level Examinations	

EXPERIENCE

Casual Academic, UNSW School of Computer Science and Engineering	Sep 2025 – Present
• Tutor for COMP1531 (Software Engineering Fundamentals), supporting a cohort of 25 students across weekly labs and office hours	
• Delivered targeted, one-on-one debugging and design guidance, raising student proficiency with agile/version-control workflows	
• Graded assignments and project milestones against course rubrics, providing consistent, constructive feedback across the cohort	
• Invigilated end-of-term examinations, ensuring exam conditions and academic integrity policies were upheld	
Front-End Intern, TikTok	Feb 2025 - May 2025
• Built internal micro-frontend tooling adopted across the TikTok LIVE team, streamlining day-to-day development workflows	
• Shipped changes through code review, debugging, and testing cycles to maintain quality across a large-scale production codebase	
• Gained hands-on experience with monorepos, PPE staging environments, and internal build tooling	
UI/UX Designer, DevSoc, UNSW	Feb 2024 - Dec 2024
• Designed and prototyped interfaces in Figma (low-fi wireframes and hi-fi mockups) for tools used by UNSW students	
• Helped maintain a shared UI component library, cutting duplicate design work across DevSoc projects	

PROJECTS

Hypr-settings	June 2026
Settings panel for the Hyprland window manager, unifying Wi-Fi, Bluetooth, display, sound, appearance, and system controls in a single GUI	
• Python, PySide6	
• CLI flags to open directly to any tab for integration with keybind daemons; single-instance enforcement via file lock	
• Reproducible Nix dev environment	
Quarry	December 2025
Centralized app launcher, clipboard manager, calculator, file searcher, AI interface, rofi replacement, shortcut launcher etc for Linux (<i>in continuous development</i>).	
• Svelte, Tauri, Rust	
• Regex-based command-routing via user-editable TOML config; custom providers and shortcuts without code changes	
• System tray + global hotkey toggle via companion Rust binary; reproducible Nix dev env with multi-distro CI pipeline	
Automation of Fetal Myocardial Index Calculations	January 2026
Automated DICOM-based MIC calculation web app, replacing a manual clinical workflow with an automated pipeline	
• Python, ReactJS	
• Parsed DICOM ultrasound imaging data to automatically extract myocardial performance index measurements via a clinician-facing web front-end	
Meditator	December 2024
Meditation tracker that helps gamify the habit. Built for a university Hackathon>	
• Dart, Flutter, Material Design	

SKILLS

Languages and Frameworks
Python, JavaScript, C, C++, Rust, Java, Dart, Bash, VimScript, ReactJS, Svelte, NextJS, Tauri, PyTorch, OpenCV
Tools & Other
Figma, GNU/Linux, LaTeX, Typst, Claude Code, Technical Writing, Graphic Design, Microsoft Office, Neovim