

Vishwas Parpattegar

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EDUCATION

University of Technology Sydney

Sydney, NSW

Bachelor's of Engineering (Honours), Software Major

Feb 2023 — Oct 2027

- Relevant Coursework: Network Fundamental, Cloud Computing and Software as a Service, Intro to Data Analytics

WORK EXPERIENCE

Software Engineering Intern

Sep 2025 — Feb 2026

Ericsson

North Ryde, NSW

- Built a local Kubernetes workflow with Tilt and Kind that mirrored production services, improving test reliability and reducing environment drift.
- Migrated React-facing routes from Django to FastAPI, improving tile load performance in the web application.
- Implemented Microsoft Entra ID authentication in Azure Portal, replacing Keycloak to reduce dependencies.

Tech Mate

Apr 2025 — Sep 2025

Digital Literacy Foundation

Penrith City Library

- Provided one-on-one digital literacy training sessions, helping individuals confidently navigate technology
- Tailored instructional support to diverse learners, improving their practical skills in using digital tools
- Assisted community members in overcoming technological barriers, promoting digital inclusion and empowerment

PROJECTS

Maintainer, Aurora Workstation (getaurora.dev)

Nov 2024 — Dec 2025

- Collaborated with three international developers to maintain Aurora Workstation (getaurora.dev) until Dec 2025, a custom Fedora Linux container image relied on by over 2,000 users for their daily workflow.
- Fixed kernel and application regressions by implementing package pinning, improving stability for all users.
- Developed a centralized configuration repository, eliminating duplicate code and streamlining update management.
- Automated testing and CI/CD with GitHub Actions, minimizing manual intervention and accelerating stable releases.

EXTRACURRICULAR ACTIVITIES

UTS Programming Society Secretary

Nov 2022 — Present

- Led initiatives that increased UTS Programming Society event attendance by 50% through strategic promotions, engaging workshops, and a stronger online community presence.
- Wrote documentation for the workshops that helped over 100 students understand the tools better.
- Organize workshops on Docker and GitHub, equipping students with industry-relevant development skills.
- Used Docker to set up development environments for workshops, making it easy for attendees to follow along and practice.

UTS X Apple iOS Apple Intelligence Hackathon (Winner)

Jun 20 2024

- Won the one-day sprint by shipping a Swift prototype that used OpenAI Whisper for transcription and Groq-hosted Llama 3 for realtime action-item summaries.
- Developed a working prototype in Swift and ensured it was performant and reliable during live testing.
- Designed an Apple Human Interface Guidelines (HIG)-compliant mockup in Figma, showcasing a polished, user-friendly UI.

Ericsson ML & UX Hackathon (Runner's Up)

Jul 2023 — Aug 2023

- Collaborated with a team to analyze a large dataset of 5G home internet usage patterns provided in a CSV file.
- Used Python (Pandas), Excel, and Power BI for data cleaning, trend analysis, and visualization.
- Built predictive models to forecast network demand growth, achieving an accuracy of over 85% in identifying trends and key growth areas.

SKILLS

- **Programming Languages:** Python, C/C++, Bash, HTML/CSS/JS, Just, YAML
- **DevOps & Cloud:** Docker, Kubernetes, Tilt, Postgres, AWS, GitHub Actions, CI/CD
- **Web & Networking:** Astro, NGINX, Caddy, Network Security