

# Nava Choudhury

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## EXPERIENCE

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**Teaching Assistant - Macquarie University** Feb 2025 – Present

- Taught practical workshops each week on topics related to networking technology, testing within engineering principles and software development
- Provided consultation and personalized feedback to students
- Troubleshooted codebase issues, networking applications, virtual machines and IDEs

**Computing Drop-In Centre Staff - Macquarie University** Feb 2025 – Jun 2025

- Taught computing students each week in walk-in sessions, which improved their understanding and grades
- Supported students with low motivation by discussing study plans, and this helped them focus on important tasks
- Fostered an encouraging environment, which helped students remain calm while working on their learning

## PROJECTS

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**News & Social Media Traffic Forecast** | *Twitter/X API, Machine Learning, NoSQL, Docker* Feb 2026 - Present

- Developed interactive real-time front-end dashboard as a part of an industry capstone unit
- Built dynamic graph component to display Machine Learning model predictions, showing 3-day traffic forecasts
- Delivered client requirements through the use of Agile principles and extensive documentation

**Not-Osu! (Online Rhythm Game)** | *React, Typescript, Tailwind CSS, MongoDB, Three.js* Oct 2025 - Dec 2025

- Developed the song selection screen for a full stack web app as a part of the Devsoc Trainee Program
- Communicated with team members in meetings for feedback and suggestions
- Designed the look of the start and song selection screens in the game using Figma

**TUFT (ForgeHack 2025 Project)** | *Atlassian Confluence, Atlassian Rovo Agents* Feb 2025 – Feb 2025

- Created an AI for recognising similar documentation in Confluence, which helped devs spend more time on coding
- Won multiple prizes by involving our team of 5 in tests, which increased all of our knowledge on AI

## EDUCATION

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**UNSW - Bachelor of Computer Science** Feb 2025 – Ongoing

- Transferred universities to align with evolving community and career interests
- Assumed leadership roles in group projects, which ensured high quality submissions

**California State University East Bay - Semester Exchange** Aug 2024 – Dec 2024

- Completed the subjects CS101 (A), CS221 (A-), CS311 (A) and ENGR200 (A) during the semester
- Expanded knowledge on computers, programming and engineering in a new community with limited time

**Macquarie University - Bachelor of Software Engineering** Feb 2023 – July 2024

- Earned a Women in STEM Scholarship from volunteering and academics

## SKILLS

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**Technical:** Software Engineering, Database Development

**Languages:** Java, Python, SQL, JavaScript, TypeScript, HTML/CSS, MIPS Assembly, MongoDB

**Frameworks:** React, Node.js

**Developer Tools:** Github, Gitlab, Docker, VS Code, PyCharm, IntelliJ, Eclipse, AI agents, Electron

**Interpersonal:** Communication, Leadership, Collaboration

## VOLUNTEERING

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- Cat Shelter Volunteer** - *SAFE Rehoming* Nov 2025 – Present
- Helped clean cat suites each week following given instructions
  - Attended training to help socialize cats to improve chances of adoptions
- Devsoc Trainee** - *UNSW Software Development Society (Devsoc)* Sep 2025 – Dec 2025
- Led the planning of several features by collaborating with others, while leveraging past Figma projects and JavaScript knowledge
  - Completed 2 mini-projects during the program, which helped knowledge on creating secure applications
- Social Media Manager** - *Macquarie Association of Computing Students (MACS)* Jan 2024 – Dec 2024
- Marketed events to a community of 6,000+ members, which lead to high attendees at tech focused companies
  - Started a social media team, which drastically lessened other executives workload
  - Managed with a professional attitude, which helped us to achieve 120+ attendees for MACS' biggest event
- Secretary and General Executive** - *Women in Computing (WIC)* Nov 2023 – Oct 2024
- Organized 2+ meetings per month, accurately recording key discussions and action items
  - Planned events and introduced 20 students to the society
  - Worked with a team of 8 people to discuss budget constraints and event schedules
- Unit Representative** - *Macquarie Faculty of Science and Engineering* Apr 2024 – Jul 2024
- Collated and delivered valuable feedback between the cohort and convenor to improve the unit
- Macquarie GameJam 2024 Volunteer** - *Macquarie University* Jul 2024 – Jul 2024
- Assisted a classroom of participants to ensure the game development competition ran smoothly