

URJA ARORA

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PROFILE

- Software Engineer, Student and Designer
- Driven by curiosity and an eagerness to learn, a builder at heart
- Enjoy tinkering with new technologies and well versed with React, JS and TailwindCSS
- Portfolio: <https://urja.vercel.app/>

EDUCATION

Bachelor of Software Engineering University of New South Wales

September 2021 - September 2025

- Appointed International Scientia Coursework Scholarship, amounting to 80,000 AUD
- Term 3, 2023 Weighted Average Mark (WAM): 88%

EXPERIENCE

Software Engineer Freeroms

January 2023 - December 2023

- Initiated migration of existing application to Server Side Rendered React, improving performance and user experience
- Led complete redesign and enhancement of website's landing page, resulting in a more engaging and user-friendly interface
- Partnered with engineering team to reduce landing page's first contentful paint UI by 600ms

UX Designer Oshepro

July 2023 - December 2023

- Conducted thorough user research to gain deep insights into user behaviour and preferences
- Led user experience (UX) enhancement for AMLA, SHEMA, and TRACI resulting in 33% increase in daily active users

PROJECTS

Portfolio Personal Project

November 2023 - December 2023

- Implemented a dynamic and user-friendly portfolio presentation using NextJS, Typescript, TailwindCSS
- Leveraged React Beautiful DnD, allowing visitors to interact with content by dragging and rearranging portfolio items as desired
- Integrated Google Maps using an iframe, increasing interactivity

TCP & UDP Messaging System: Video File Exchange CLI UNSW

September 2023 - November 2023

- Created a TCP Messaging CLI in Python enabling private and group chat functionalities, including secure login, and commands for private messaging and group creation
- Engineered a UDP socket for peer to peer video file exchange capabilities

Transpiler UNSW

May 2023 - August 2023

- Developed a Python-based transpiler for seamlessly translating complex shell scripts into Python code, retaining functionality and enhancing maintainability
- Delivered comprehensive support for various shell operators, including globbing, conditionals, loops, and variable substitutions, ensuring accurate conversion

EXTRACURRICULAR

Wellness Warriors

September 2023 - December 2023

Arc UNSW

- Volunteered at events aimed towards enhancing mental well-being of students at UNSW, fostering a healthier campus community
- Pursued initiatives to promote mental health awareness and gave valuable resources to support students' academic life
- Collaborated in teams of 5 to distribute food and goodies during exam season

Protégé Program

February 2022 - July 2022

Women In Engineering Society

- Selected for Women In Engineering Protégé Program, an initiative offering valuable opportunity for women across diverse fields to network and collaborate

TECHNICAL SKILLS

Programming Languages: C/C++, Javascript, Python, Java, Dafny, SQL, Dash

Frameworks: ReactJS, NextJS, TailwindCSS

Technologies: Jest, Styled Components