

Aarya Patil

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[Personal Website](#)

Education

University of Sydney Computer Science & Design

INTENDED GRAD : JAN 2026

- Relevant Coursework: **Data Structures and Algorithms**, Object - Oriented Programming, Models of Computations, Linear and Abstract Algebra, **Introduction to Interface design**, Design for well-being, Discrete Optimisation, Foundations of quantum computing, **Design Thinking**.
- Technical skills: Python, Java, C, R, SQL, Latex, User Interface Prototyping, User Interface Design, Figma, Adobe Illustrator, Wire framing, User-centred Design.

Work Experience

Code Camp After School Facilitator

JULY 2023 - PRESENT

- I teach coding to young aspiring code enthusiasts
- Mainly block code and line code (JavaScript)

Projects

Gremlins Game

OCT 2022

- I developed the game in **Java** using the Processing library for creating the graphics and managing user interaction.
- It includes features like navigating maps, avoiding enemies, shooting fireballs, and progressing through levels.

Animal Companionship ([Link](#))

FEB - JUNE 2022

- I designed an application using **figma** that assists users in finding the ideal pet for their needs.
- The application not only guides users in choosing the right type of pet but also streamlines the process of acquiring their new companion with minimal effort.

Horus - SYNCS HACKATHON ([Link](#))

AUGUST 2023

- Horus is a web application that allows users to create and manage prescription sets, providing real-time information about potential drug interactions and safety concerns.
- Developed a **React** frontend and utilised Firebase with Flask for the backend to create an application analyzing drug interactions and side effect
- Users can easily search for medicines, understand their effects, and save them to their profiles for ongoing comparison with their current prescription set.

Personal Portfolio Website ([Link](#))

FEB - JUNE 2022

- Designed and developed a personal portfolio website showcasing my design and computer science skills, built with **HTML, CSS, and JavaScript**

Leadership

Design Subcommittee (SUDATA - Sydney University Data Society)

OCT 2023 - PRESENT

- As part of the Design Subcommittee, I use my creativity to make unique designs for posters, social media pictures, and merchandise.

Science Peer Mentor (University of Sydney)

JAN 2024 - PRESENT

- As a Peer Mentor, I facilitate the development of a supportive and effective learning community at the University by providing guidance to new students.
- Through mentoring, I help them build networks, navigate student life, and seamlessly integrate into the university environment.