

Diwas Mainali

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EDUCATION

University of New South Wales

Bachelor of Computer Science

January 2022 – December 2025

Kensington, NSW, Australia

PROFESSIONAL EXPERIENCE

Web Development Intern

Piccio Lab

March 2024 – July 2024

Sydney, Australia

- Engineered a responsive, user-centric website utilizing React and Tailwind CSS, elevating the lab's online presence
- Collaborated with researchers to implement an interactive news section, enhancing user engagement
- Designed and developed individual profile pages, significantly boosting team visibility and lab's digital footprint
- Performed extensive testing, ensuring optimal functionality and performance across multiple platforms

Sales Assistant

CeX

June 2024 – Present

Sydney, Australia

- Consistently surpassed KPI targets for buys and sales, ranking in the top percentile of performers across Australia
- Demonstrated expertise in evaluating electronics, ensuring precise valuations aligned with company guidelines
- Leveraged extensive product knowledge to drive customer satisfaction and foster repeat business
- Contributed to team success through knowledge sharing and mentoring new team members

TECHNICAL PROJECTS

Gambit Guru - Chess Openings Trainer | Demo

JavaScript, HTML5, CSS3

- Designed a comprehensive chess openings trainer featuring popular strategies for both white and black pieces
- Implemented an intuitive drag-and-drop interface, significantly enhancing user interaction and learning experience
- Developed a customizable training range feature, enabling players to explore diverse chess positions
- Utilized responsive design techniques to ensure seamless cross-device compatibility

Piccio Lab - Official Website for USYD Research Lab | Demo

React, Tailwind CSS, JavaScript

- Spearheaded the development of a website for USYD's Piccio Labs, showcasing cutting-edge medical research
- Designed and implemented six distinct sections, comprehensively presenting the lab's work, mission, and impact
- Integrated Framer Motion animations and React scroll to enhance user engagement and navigation experience
- Leveraged React.js and Tailwind CSS to create a modern, clean, and responsive user interface
- Implemented a dynamic contact form to streamline communication between stakeholders and the lab

ScriptHub - GitHub Clone in Shell Script | GitHub Repo

Dash (Shell Scripting)

- Developed a command-line GitHub clone using Dash, successfully implementing core Git functionality
- Engineered key Git commands including add, commit, checkout, and branch in shell script
- Created a lightweight and efficient interface for managing repositories and version control workflows
- Leveraged Dash's capabilities to handle complex file operations and maintain accurate project history

EXTRACURRICULAR

UNIHack 2023 | Demo

- Developed a user-friendly weather application providing real-time global weather information
- Implemented features for location-based searches, displaying comprehensive weather data including temperature, wind speed, and humidity

UNSW Chess Society Volunteer

- Assisted in organizing and managing weekly chess tournaments and social events for over 100 members
- Provided chess instruction and strategy tips to beginners, enhancing their skills and enjoyment of the game

TECHNICAL PROFICIENCIES

Programming Languages: Python, C, C++, JavaScript, TypeScript, Java, HTML, CSS, Bash, SQL

Technologies & Frameworks: React.js, Tailwind CSS, Node.js, Git, RESTful APIs, NVIDIA AI Workbench