Diwas Mainali

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EDUCATION

University of New South Wales   January 2022 – December 2025
Bachelor of Computer Science   *Kensington, NSW, Australia*

PROFESSIONAL EXPERIENCE

Freelance Web Developer   March 2024 – July 2024
Piccio Lab   *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

Financial Services Representative   June 2024 – Present
Volkswagen Financial Services (via Forrest Contact)   *Sydney, Australia*

- Handled 50+ daily customer inquiries for payout letters, statements, and loan documents with 98% accuracy rate
- Facilitated 100+ monthly payment arrangements including variable term extensions, and payment restructuring
- Processed 45+ monthly financial hardship cases through deferrals, term modifications, and payment solutions
- Processed PPSR security interest removals for loan payouts and vehicle transfers to ensure immediate clearance

TECHNICAL PROJECTS

Yeld - Student Productivity Platform | GitHub Repo   MongoDB, Express.js, React, Node.js

- Engineered a full-stack productivity application featuring custom Pomodoro timers and progress tracking
- Implemented secure user authentication using JWT tokens and bcrypt password hashing for data protection
- Developed RESTful API endpoints for user management and session data persistence using Express.js
- Created a responsive dark-mode interface using Tailwind CSS, ensuring optimal user experience across devices

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
- Implemented a dynamic contact form to streamline communication between stakeholders and the lab

ScriptHub - Git Clone in Shell Script | GitHub Repo   Dash (Shell Scripting)

- Developed a command-line Git 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

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, HTML, CSS, Bash
Technologies & Frameworks: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Git, RESTful APIs