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

AI Frontend Development Trainer · April 2025 – Present
Outlier · *Remote*

- Train AI systems to improve frontend development capabilities by creating precise implementation examples.
- Debug and refine AI-generated code to match exact design specifications from reference screenshots and mockups.
- Develop optimized React and HTML/CSS solutions that serve as high-quality training examples for AI learning.
- Collaborate with AI engineers to identify and address patterns in frontend code generation deficiencies.

Retention Specialist · November 2024 – April 2025
Volkswagen Financial Services (via Forrest Contact) · *Remote*

- Managed 10-15 daily refinancing inquiries in Salesforce, providing quotes for residual loans at 98% accuracy.
- Processed loan restructuring for 100+ clients monthly, implementing flexible payment solutions in Salesforce.
- Settled 20+ customers into new loans monthly through efficient application processing and structuring.
- Executed PPSR security interest removals and coordinated vehicle transfers for loan completion processes.

Freelance Web Developer · March 2024 – July 2024
Piccio Lab | Demo · *Sydney, Australia*

- Engineered a responsive, user-centric website using 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.

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 a drag-and-drop interface, significantly enhancing user interaction and learning experience.
- Developed a customisable training range feature, enabling players to explore diverse chess positions.
- Utilized responsive design techniques to ensure seamless cross-device compatibility.

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 daily chess 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