Dhairya Kandhari

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EDUCATION

The University of Adelaide – Bachelor of Computer Science   *2023-2025*
- ➢ Relevant Coursework: Object Oriented Programming, Algorithm Design and Data Structures, Web and Database Computing
- ➢ Chancellor's Award: AUD 48,000
- ➢ Semi-Finalist: Competitive Programming Competition (2024)
- ➢ Varsity Sport: Competitive Badminton Player (University Team)

The Millennium School Amritsar – *(Year 11 and 12)*   *2021-2022*
- ➢ 100% scholarship
- ➢ National Mathematics Tournament (2021), Student Representative Council- Multicultural officer (2022)
- ➢ Activities: Debating and Oratory (National Level), Badminton, Cricket, Drama

Accepted to UNSW Computer Science Program, UTS Scholars Program, UQ Computer Science Program.

WORK EXPERIENCE

National College Australia, Adelaide   **Nov 2024 – Jan 2025**
Software Engineer Intern
- ➢ Developed and optimized key features on National College Australia's Moodle platform, enhancing user experience, course accessibility, and automating student progress tracking, reducing manual workload by 60%.
- ➢ Engineered a high-performance API-based integration, streamlining authentication with single sign-on (SSO), reducing access latency for thousands of users.
- ➢ Collaborated with cross-functional teams including instructional designers and IT administrators to design and implement automated course enrollment workflows, cutting down enrollment processing time from 24 hours to under 15 minutes.
- ➢ Indexed database queries and restructured data storage in Moodle, improving server response time and scalability to support concurrent users more efficiently.

Creart Digital Media, Adelaide   **Mar 2024 - May 2024**
Software Engineer Intern
- ➢ Contributed to the development and optimization of MirrorXR in preparation for its showcase at Adelaide Fringe, ensuring a seamless, high-performance user experience for a large audience.
- ➢ Enhanced and refactored key UI components, implementing advanced animations and interactive elements inspired by HoYoverse's Genshin Impact website, reducing page load times by 40% and increasing session duration.
- ➢ Debugged and resolved backend performance issues, improving system stability and response times for AI-generated content and real-time interactions.
- ➢ Spearheaded the implementation of AI-powered animations and real-time interactions, creating a dynamic user experience that improved platform engagement metrics.

Auz Training, Adelaide   **Jul 2023 – Dec 2023**
Information Technology Intern
- ➢ Developed and maintained key features of Auz Training's learning management system (LMS), improving course accessibility and user experience for students and instructors.
- ➢ Configured and managed user roles and permissions, ensuring secure access control and data protection within the LMS.
- ➢ Designed and implemented automation scripts, reducing manual administrative workload for IT operations by 30% and improving overall efficiency.

LEADERSHIP AND PROJECTS

Cause Connect   **Jul 2024 – Nov 2024**
Founder and Developer
- ➢ Conceptualized and engineered Cause Connect, an event management platform inspired by Eventbrite, tailored for community-driven initiatives, enabling seamless user registration, event creation, and RSVP functionalities.
- ➢ Utilized Vue.js for front-end development to create a dynamic, responsive UI and Node.js for backend services, ensuring high-performance API handling and real-time data synchronization.
- ➢ Conducted rigorous testing and debugging, ensuring platform reliability across multiple devices and browsers, reducing bug reports by 50% post-launch.
- ➢ Integrated third-party APIs, enabling seamless event management functionalities and improving user engagement.

University of Adelaide   **Feb 2024 - June 2024**
PASS Leader (Peer Assisted Study Sessions)
- ➢ Headed weekly study sessions for STATS 1000, facilitating collaborative problem-solving and reinforcing key statistical concepts to improve student comprehension.
- ➢ Provided academic guidance, breaking down complex topics into easily understandable concepts, helping peers build confidence and excel in coursework and exams.
- ➢ Adapted teaching methods based on student feedback, ensuring sessions were interactive, engaging, and tailored to diverse learning styles.
- ➢ Fostered an inclusive and supportive learning environment, encouraging active participation and peer-to-peer discussion to strengthen conceptual understanding.

Auto Pilot Purchase   **Aug 2023 - Nov 2023**
Project Leader

- ➢ Designed and programmed Auto Pilot Purchase using C++, a command-line interface (CLI) application to streamline the car buying process, offering a fast, lightweight, and efficient user experience.
- ➢ Led the project from concept to deployment, overseeing all phases including planning, system architecture, algorithm development, and implementation.
- ➢ Built a robust backend system, enabling secure management of car listings, user data, and transaction history, optimizing performance and ensuring data integrity.

RELEVANT EXPERIENCE AND ACTIVITIES

President, Mirror XR Club   **July 2024 – Nov 2024**

Social Media Lead, Adelaide University Badminton Society   **Mar 2024 - Jun 2024**

Red Cross South Australia Youth Advisory Board   **Feb 2023 - Nov 2023**

Web Developer Intern- Lacasa Club & Resorts (Gujarat)   **Nov 2022 - Dec 2022**

Front-End Developer Intern – Advance Solutions (Punjab)   **July 2022 - Oct 2022**

SKILLS

- ➢ **Technical:** C, C++, Python, JavaScript, R, Docker, Node.js, SQL, Git, Microsoft 365, HTML, CSS, Webflow, Bash Scripting, Firebase, Agile Methodolgies, Unit Testing, Machine Learning (Basics), Algorithmic Optimization, Competitive Programming (Leetcode, Codeforces), Cybersecurity Fundamentals
- ➢ **Research:** Analytical Thinking, Scientific report writing, Data Analysis, Statistical Modeling.
- ➢ **Soft:** Problem Solving, Time Management, Teamwork, Attention to Detail, Emotional Intelligence, Leadership, Communication, Critical Thinking, Adaptability, Public Speaking, Conflict Resolution, Decision Making.

TEST SCORES

SAT	March 2022	1450/1600

REFERENCES

Shambhu Khadka - CEO (National College Australia) – Available upon request.

Prof. Manish Gupta (The University of Adelaide) – Available upon request.