

Dhairya Kandhari

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<https://dhairyakandhari.site/>

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, Business Valuations, Corporate Finance, Options and Futures, Entrepreneurship.
- Chancellor's Award: AUD 48,000

The Millennium School Amritsar – (Year 11 and 12)

2021-2022

- 100% scholarship
- National Mathematics Tournament (2021), Head Boy (2022)
- Activities: Badminton (State-level), Debating, Cricket, Drama

WORK EXPERIENCE

National College Australia, Adelaide

Nov 2024 – Jan 2025

Software Engineer Intern

- Implemented custom JavaScript components for Moodle's user interface that simplified course navigation, resulting in 15% fewer support tickets and better student engagement metrics.
- Engineered a secure OAuth 2.0 authentication system connecting Moodle with the college's identity management platform, enabling single sign-on functionality that reduced login time.
- Assisted in creating an automated grading system that reduced instructor marking time for multiple-choice assessments.

Creart Digital Media, Adelaide

Mar 2024 - May 2024

Software Engineer Intern

- Contributed to the development and optimization of MirrorXR AI in preparation for its showcase at Adelaide Fringe, ensuring a seamless user experience.
- Enhanced UI components on Webflow, implementing advanced animations and interactive elements reducing page load times by 10% and increasing session duration.
- Optimized text-to-speech AI for dynamic voice interactions, enhancing accessibility and user immersion in XR experiences.

Auz Training, Adelaide

July 2023 – Dec 2023

Information Technology Intern

- Optimized database queries using version control (Git) for systematic tracking and streamlined deployment workflows.
- Contributed to the development of automation scripts, reducing manual administrative workload for IT operations by 22% 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, reducing bug reports by 35% post-launch.

AI Student Query Assistant

Jul 2024 – Nov 2024

Developer

- Developed an AI Student Query Assistant using Python and Tkinter that integrates with course materials at the University of Adelaide, creating a responsive system to address student questions on lecture content and assignments, reducing repetitive queries to teaching staff.
- Implemented document processing functionality that converts course materials into searchable knowledge, allowing the system to provide relevant, context-aware responses while maintaining a user-friendly interface for students across different technical backgrounds.

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

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 fast, lightweight, and efficient user experience.
- Led the project from concept to deployment, overseeing all phases including planning, system architecture, algorithm development, and implementation, building 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

SET Ambassador | Faculty of Sciences, Engineering and Technology

July 2024 – Feb 2025

President, Mirror XR Club

Aug 2024 – Nov 2024

Software Engineer Intern, Sequoia India

July 2024

Social Media Lead, Adelaide University Computer Science Society

Mar 2024 – June 2024

Red Cross South Australia Youth Advisory Board

June 2023 – June 2024

Head of Sponsorships, Adelaide University Asset Management Society

Sept 2023 – May 2024

Secretary, Adelaide University Entrepreneur Club

Mar 2023 – July 2023

SKILLS

- **Technical:** C, C++, Python, JavaScript, R, Docker, Node.js, SQL, Git, Microsoft 365, HTML, CSS, Webflow, Bash Scripting, Firebase, Agile Methodologies, 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)

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Meenal Saxena – Software Engineer (Macquarie Bank)

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