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, 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 42% fewer support tickets and a measurable increase in 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 times for hundreds of students.
  ➢ Assisted in creating an automated grading system that reduced instructor marking time by 25% for multiple-choice assessments.

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 user experience.
  ➢ Enhanced and refactored key UI components on Webflow, implementing advanced animations and interactive elements reducing page load times by 40% and increasing session duration.
  ➢ Spearheaded the implementation of AI-powered animations and real-time interactions, creating a dynamic user experience that improved platform engagement metrics. Debugged and resolved backend performance issues, improving system stability and response times for AI-generated content and real-time interactions.

Auz Training, Adelaide   Jul 2023 – Dec 2023
Information Technology Intern
  ➢ Optimized database queries using version control (Git) for systematic tracking, resulting in 15% faster page load times and streamlined deployment workflows.
  ➢ 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, reducing bug reports by 50% 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

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 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) – shambhu@nca.edu.au

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Prof. Manish Gupta (The University of Adelaide) – manish.gupta@adelaide.edu.au