

Garv Shah

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EDUCATION

- The University of Melbourne** (92.50 WAM) Melbourne, Australia
B-SCI (Computing & Software Systems), D-MATHSC (Discrete Maths & Operations Research) Jan. 2024 – Current
• Projects Officer at CISSA, currently creating social media website for “The Conversation”
- Caulfield Grammar School - Wheelers Hill** (99.50 ATAR) Melbourne, Australia
VCE, Academic Scholarship Jan. 2019 – Nov. 2024
• Ran school maths club and programming society; built app w/ weekly problems, 120 users; taught 20 student classes & made competitions while increasing membership by 450%
• Debating captain; led 98 students in state-wide program & made weekly workshops; coordinated 5 competitions & increased participation by 350%; awarded school ‘Best Speaker’ 3x and ‘Swannie’ for best speaker in region/grade
• Member of school committee; Langley house vice captain; co-directed musical w/ 111 participants

EXPERIENCE

- Information and Operations Officer** Dec. 2024 – Present
Axiom Education Melbourne, Australia
• Founded education start-up based in Melbourne, currently a team of 6 staff teaching 25 students
- Freelance Developer** May 2021 – Present
Self-employed Melbourne, Australia
• Operating technology systems for 6 small to medium size businesses; 7 apps on stores w/ 20k+ installs
• Created enterprise order/employee management solution for NP Logistics; 15+ weekly orders w/ live tracking
- Executive Committee Member** Oct. 2023 – Nov. 2024
National Student Voice Council & Victorian Student Representative Council Melbourne, Australia
• Liaised with national/state ministers on policy reform; organised state “Congress”, 100+ participants, \$23k profit
• Successfully pushed for free public transport for under 18s; helped develop 10-year state priorities for Victoria

PROJECTS

- 2cousins** *Flutter, Firebase*
• Led 18 intl volunteers to teach 200+ students from underprivileged backgrounds weekly and got 2 students into uni
• Created app with gamified learning process to enable teaching despite language barriers
• Raised ~ \$6k for rural development and nominated for 7NEWS Young Achiever Saward Dawson Award
- The NOVA System** *Flutter, Firebase, Node.js, REST APIs*
• Built system to mimic live cryptocurrency transactions; workshops for 300+ students on financial safety/education
• Negotiated \$25k VC investment for implementation into intl IB curriculum; closure due to data provider sunseting
- Applications of the Travelling Salesperson Problem** *Python, Held-Karp, Simulated Annealing*
• Conducted informal research during free time; 63-page paper comparing exact vs heuristic applications
- CaulfieldSync** *Next.js, iCal, REST APIs*
• Developed API for student developer interoperability over school backend, allowing for 4 peer-built apps
• Used API to create a calendar integration with school timetable w/ 150+ users
• Uncovered and proposed mitigation strategies for 6 vulnerabilities within school systems during development

AWARDS

- Apple WWDC Scholarship Award** | Apple Inc. Jun. 2021
• 1/300 global students awarded in Swift Student Challenge, sponsored to attend Worldwide Developer Conference
- IMMC Award of Meritorious Achievement** | ACER. May. 2022
• Placed 2nd in Australia for modelling most efficient way to board planes, proceeding to intl finals out of 58 finalists

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, Dart, Swift, HTML/CSS, C
Libraries and Frameworks: Flutter, React, Node.js, Next.js, Material-UI
Software and Tools: Git, L^AT_EX, Docker, Firebase, Google Cloud Platform, IntelliJ, Premiere Pro, After Effects