

# GARV SHAH

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## EDUCATION

### Caulfield Grammar School - Wheelers Hill Campus

Jan 2019 - Nov 2024

- Double Colours for Debating and Colours for Service to Debating: Passionate debater for DAV, Monash Asian Studies and BP Debating.
- Triple Colours Re-awarded for Music and Colours for Service to Music: Active involvement in the arts with Drum Kit, choir, and theatre (been part of 9 ensembles, 9 productions).
- President and administrator of school maths club and programming society, CGSP.
- Triple Academic Colours Re-awarded and recipient of The Keith V. Crawley Prize for Academic Excellence, The Tom N. Rowe Prize for Service, The C.E.M. 'Gerry' Gerrand Prize for Service, and The Sir Clive McPherson Prize for Aptitude and Service, highest awards for leadership and service.
- Additionally, also received Colours for Community Service and Emblems for Publications, Cheer Squad, Public Speaking.
- Proactive leader amongst peers, member of school committee, Langley house-captain & vice-captain.

## WORK EXPERIENCE

### Junior Engineers

Melbourne, VIC

*Instructor/Teacher*

Dec 2022 - Present

- Passionately worked with primary school aged children, working towards making computer science fun!

### Innovate Technology & Robotics Academy

Melbourne, VIC

*Tutor/Assistant for Robotics Competition Team*

Mar 2022 - Jun 2022

- Worked with young students to develop preliminary computer science skills in interactive playgrounds.

### CSIRO

Melbourne, VIC

*Student Internship*

Sep 2022 - Oct 2022

- Worked as an intern at CSIRO's research facility with industry professionals in various fields of expertise.

### Self Employed

Melbourne, VIC

*Freelance Programmer*

NP Logistics, Verdis Government, etc. | May 2021 - Present

- Worked with various companies as an independent contractor creating innovate solutions for clients.

## VOLUNTARY WORK

### VicSRC Executive Committee Member

VicSRC | Oct 2023 - Present

VicSRC is the peak student representative body in Victoria, led by the Executive Committee who work with the Board of Trustees to represent students at the highest levels of decision-making in Victorian education.

### Open Source Contributor

May 2021 - Present

Frequently contribute to FOSS on GitHub, namely within the Flutter ecosystem.

### English and Computing/Design Teacher

Balyam (Bass) Children Home | Jun - Jul 2022

Developed basic English vocabulary, literacy, design and typing skills with orphans in India.

### Service to School and Charity Work

Caulfield Grammar School

10x Service Awards + Community Service Colours, World's Greatest Shave participant, school tour guide, student-teacher on camps, class captain 5 years in a row.

## PROJECTS

### 2cousins

Flutter, Firebase

Started initiative under my non-profit Aporia to bridge the gap of education between borders, connecting volunteers and tutors across the world.

### NP Logistics

Flutter, Firebase, Node.js

Created an enterprise grade logistics and transport solution for NP Logistics, managing orders and deliveries with live tracking functionality to overhaul and transition management to a digital platform.

### Maths Club App

Flutter, Firebase

Integrated solution that provides an intuitive way to receive and create problems.

### CaulfieldSync

Next.js, REST APIs, iCal

Wrapper API allowing for student infrastructure over school backend (calendar integration + 4 apps).

### The NOVA System

Flutter, REST APIs, Firebase, Node.js

Designed, developed and shipped a system to mimic live cryptocurrency transactions.

Held workshops across campus to educate peers on financial decisions and danger utilising the platform.

## RESEARCH

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### **Applications of the Travelling Salesperson Problem**

Jun 2023 - Aug 2023

Explored applications of the TSP as part of Algorithmics (HESS), including algorithmic approaches, mathematical proofs and real world implications.

### **Australian Kriol**

Oct 2023

Literature review on the linguistic history and strata influence on Australian Kriol.

## AWARDS

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### **Apple WWDC 2021 Scholarship Award**

Apple Inc. | Jun 2021

One of 300 global students awarded for my app design in the Swift Student Challenge by Apple, allowing me to attend the Worldwide Developer Conference.

### **IMMC Award of Meritorious Achievement**

ACER | May 2022

Placed second in Australia for modelling the most efficient way to board a plane through statistical analysis and algorithmics, proceeding to the international finals out of 58 global finalists.

### **AMC Prize Award**

Australian Maths Trust | Oct 2021

Awarded the AMC Prize Award for being in the top 0.3% of students in the Australian Maths Competition.

### **Kwong Lee Dow Young Scholar**

Melbourne University | Nov 2022

Chosen from more than 1500 applicants for academic achievements, community involvement and leadership skills within and outside school. Started a vibrant student community "Green" with 150+ members.

### **ADF Future Innovators Award**

Australian Defence Force | Nov 2022

Awarded for outstanding ability to demonstrate innovation and learning in STEM and leadership.

### **Duke of Edinburgh - Silver Award**

DOE International | July 2023

Awarded for success in the endeavours of programming, community service and sports!

## MISCELLANEOUS

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Programming Languages:	Flutter/Dart, Swift, JavaScript, Python, HTML, CSS, TypeScript
Software and Tools:	Adobe Premiere Pro, Adobe After Effects, GitHub, Node.js, Firebase
Languages:	Fluent in English, Hindi and Gujarati
Other Interests:	I love music, drummer for my band called "Paradox" with published songs. Hobbies include video editing and 3D modelling, created tv show for my school. Also love traveling, table tennis + rock climbing, tutoring and reading books!