

# Gautam Nair

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## EDUCATION

### University of Adelaide

*Bachelor in Computer Science (Advanced)*

Feb. 2023 – current

*Adelaide, SA*

## EXPERIENCE

### Tax Administration Intern

*Holistic Business Developers*

Jun. 2021 – Jul. 2021

*Adelaide, SA*

- Developed tax returns using Excel and other applications
- Processed company expenses and used Excel to filter through

### Chess Coordinator

*Glenunga International High School*

Apr. 2023 – current

*Adelaide, SA*

- Used Excel to pair students into teams based on chess proficiency
- Use Python to keep track/graph win percentages of students for documentation

## PROJECTS

### Personal Website | *HTML, CSS*

Feb. 2025 – Feb. 2025

- Personal website showcasing web development projects built using HTML and CSS, demonstrating skills in design, responsiveness, and front-end development

### Chess | *C++, SFML*

Feb. 2025 – Feb. 2025

- Developed a two-player chess game with core chess mechanics, legal move validation, turn-based gameplay, and an interactive GUI for piece movement

### Tetris | *C++, RayLib*

Jan. 2025 – Feb. 2025

- Applied object-oriented programming (OOP) principles to structure game components, optimize performance, and manage real-time user input for smooth gameplay

### Building AI models for Weather Forecast | *Python, Git, Docker*

Aug. 2024 – Oct. 2024

- Build Traditional and AI weather forecasting models locally
- Used regression analysis, MAE and RMSE to determine the model that was more accurate

### Volunteering Website | *HTML, CSS, Java, Git, Docker, Insomnia*

May. 2024 – Aug. 2024

- Developed a website that allows users to either view or create admin accounts to post volunteering events
- Linked website with an autonomous email system that allows admins to sent emails to all subscribers

### Flappy Bat | *C++*

Aug. 2023 – Sep. 2023

- Developed a full Flappy Bird game in C++ with a re-skin and added features related to Batman

## COMMUNITY INVOLVEMENT

### Ravi Study Program

*University of Adelaide*

Nov. 2024 – Mar. 2025

*Adelaide, SA*

- Solved LeetCode questions and participated in mock technical interviews, improving problem-solving skills and enhancing interview performance through hands-on practice and peer collaboration

### CPC Coding Competition

*University of Adelaide*

Feb. 2025 – Feb. 2025

*Adelaide, SA*

- Participated in a competitive programming contest, solving 14 LeetCode-style problems as part of a team
- Collaborated on algorithmic problem-solving, demonstrating strong coding skills, teamwork, and time management under pressure.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, HTML/CSS, HDL, Assembly

**Developer Tools:** Git, Docker, VS Code, Visual Studio **Libraries:** pandas, Matplotlib, Raylib