Siddharth Anbarasan Rita

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Education

BS	**Stepaside Educate Together Secondary School**	Sept 2016 - June 2022

- CAO points: 590/625
- **Coursework:** English, Mathematics, Spanish, Physics, Biology, Physical Education, Computer Science

BS	**University College Dublin**, Computer Science	Sept 2023 –

- **Coursework:** Programming Basics, other concepts such as Algorithms, Data Structures and Operating systems

Experience

Transition year, Computer user support   Dec 2019 – Feb 2020

- Was part of a program called "Age Action" in transition year in secondary school.
- helped old people navigate on how to use a computer (or phone) properly, basics like how to send an email, how to create an account on Youtube etc.
- also guided them with any problems they experienced with their phones or computers and assisted in solving them.

Work Experience, Stock clerk   March 2020

- Worked 3 weeks in Fresh supermarket
- Mostly worked as a shelf replenisher
- Also helped unload deliveries and was a floor staff too

Skills

- Version control
- Operating systems basics
- Database management
- Object orientated programming
- Web development skills
- Debugging and testing
- Problem solving
- Collaboration skills
- Communication skills

Projects

Hexoust Board game   2024

- Group project in 2nd year of college on implementing a game called Hexoust.
- Worked on the capturing logic, valid/invalid move detection and win/loss condition of the game
- also helped with managing the game data structure
- Tools Used: Java, Javafx

Smart Motion Detection and Web Alert System (Nicknamed "Autolight")   2022

- Final year computer science project in secondary school based on IoT and real time data.
- Designed and implemented a motion-sensing system using BBC Micro:bit, which detects motion and triggers a light circuit.
- Developed a Python script to read sensor data from the micro:bit and push real-time updates to Firebase.
- Created a website using HTML, CSS, and JavaScript to display live updates whenever motion is detected and the light is activated.
- Tools Used: HTML, CSS, JavaScript, Python, Microcontroller, Firebase

Computer Languages

Languages: C, Java, JavaScript, SQL, Python, HTML