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Summary

Strong in design and integration problem-solving skills. Expert in C++, Javascript and PL SQL with database analysis and design. Enhancing JAVA and Python. Skilled in MS Office. Strong written and verbal communications.

Technical Skills

- **Languages:** C, C++, JAVA, HTML, CSS, Javascript, SQL, NodeJS
- **Operating Systems:** MAC OS, Windows, LINUX

Education

- **2017-2021** Bachelor of Technology in Computer Engineering
Trinity College Dublin
Student of 2+2 Programme- First two years completed at Thapar University, 3rd and 4th Year to be completed at Trinity College Dublin
C.G.P.A: 8.22/10
- **2016-2017** Class XII (Senior Secondary), Science
Ryan International School, Delhi, India
Percentage: 87.00%

Academic Projects

Bookshop Management: JAN 2019 - MAY 2019

- Implemented the concepts of DBMS into sale of books with the help of SQL and PL SQL
- Made the job of salesperson easier by using software to handle record of books
- Learned application of software to solve real world problems

Bank Management System: APRIL 2016 -MARCH 2017

- Developed a banking system that is user-friendly and multifunctional for customers and employees with the concepts of C++
- Realised the importance of privacy of records and also debugging

Buggy Project: JAN 2019 - MAY 2019

- Designed and constructed a line follower buggy using ARDUINO and C++
- Recognised issues to be addressed in a combined hardware and software system design and developed practical experimental skills

Volunteering

CoderDojo at Trinity College Dublin, OCT 2019 - MAY 2020

- Mentoring programming in SCRATCH and HTML to children of 6-13 years old
- Improving communication skills and learning new perspectives

Member of Marketing, AIESEC Dublin; OCT 2019 - MAY 2020

- Organise and promote events like pub quizzes to spread awareness on Global Volunteer
- Gaining leadership qualities and personal satisfaction



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Extra Curricular Activities

Events Officer: Trinity Hiking Society, SEP 2019 - MAY 2020

- Organising hikes every weekend within a budget, which are attended by 20-30 people
- Developing social skills and discipline

INTEL Model Based Problem Solving Workshop: OCT 2019

- Task to tackle an issue in cake factory was given to a team
- Made an initiative to involve all the team mates and carried the team to come with a plausible solution, demonstrating an ability to motivate team mates

Ethical Hacking Workshop: Thapar University, Punjab, India; WINTER 2017

- A two-days workshop gave an insight into mindset, tools and techniques of hackers and explained how to correct vulnerabilities in software networks

Trainings

- **Python For Developers:** Coding Blocks (Online); NOV 2019- CURRENTLY

Getting acquainted with python, server programming, data science, parallel programming

- **Competitive Programming:** Coding Blocks (Delhi, India); SUMMER 2019

Covered advanced data structures, Dynamic Programming, Bit Masking, Greedy Algorithm, Divide and conquer etc.

- **Data Structures:** UDEMY (Online); WINTER 2018

Learned easy to advanced level topics such as Arrays, Linked lists, Stacks, Queues, Heaps/Priority Queues, Binary Trees/Binary Search Trees, Union find/ Disjoint Set, Hash tables, Fenwick trees, AVL trees

- **Web Development in NodeJS:** Coding Blocks (Online), SUMMER 2018

Familiarised with projects involving full stack web development with backend in NodeJS