MUDIT GARG

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PROFILE

As a **Software Developer**, I have a passion for crafting solutions with cutting-edge technologies, all while adopting a growth mindset. I am dedicated to fostering strong teamwork and collaboration, recognizing that unlocking the inner potential in others is integral to achieving success. My expertise lies in many core concepts, and I consistently strive to create programs that are characterized by cleanliness, readability, and modularity.

EDUCATION

Masters in Engineering (M.A.I.). Major in Computer Engineering
Trinity College Dublin, Ireland   **Sept 2023 – Jun 2024**

Bachelors in Engineering (B.A.I.). Major in Computer Engineering
Involved in a 2+2 international credit transfer program based on merit.
Trinity College Dublin, Ireland   **Sept 2021 – Aug 2023**
Cumulative Grade: II.1 (Second Class Honors)
Thapar Institute of Engineering and Technology, Patiala, India   **Aug 2021 – Sept 2021**
Cumulative Grade: I.1 (First Class Honors)

Secondary Higher Education Diploma - 12th Grade
Sheiling House School, Kanpur, India   **Apr 2013 – Jun 2019**
Final Percentage: I.1 (First Class Honors)

EXPERIENCE

General Motors   **Dublin, Ireland**
Advanced Software Developer Intern   Jan 2023 – Aug 2023
- Proven track record of collaborating with skilled teams to deliver critical project features and developing API endpoints, adhering to various **Agile** ceremonies.
- Contributed to the full-stack development, utilizing various cutting-edge technologies such as **Java, Spring Boot, Maven, Angular, Postgres,** and **Docker** for the development of optimized software solutions.
- Streamlined the performance of a key project feature, consolidating the end-to-end services, restructuring the program flow to about **96.4% improvement**, reducing the project compilation time from **10min to 30sec**.

SKILLS

Programming Languages:	Java, Python, JavaScript, and C++
Core Concepts:	Object Oriented Programming, Agile and Scrum, Refactoring and Debugging
Tools and Frameworks:	Git and Version Control, Spring Boot, Flutter, VS Code, Power BI
Linguistic Abilities:	Hindi and English

PROJECTS

Peer to Peer Communication Network   Mar 2022
Python
https://github.com/muditgarg48/p2_evac_system
- Lead a team of 4 that designed a model peer-to-peer decentralized network as the backbone of an emergency communication system to tackle the problem of lack of communication in these scenarios.
- Utilized **socket programming and multi-threading using Python** and implemented numerous **networking protocols like UDP, RDT 3.0 and CRC** to ensure high performance and security.

My Portfolio Website   Nov 2020
HTML, CSS, JavaScript, GitHub Pages
https://github.com/muditgarg48/muditgarg48.github.io
- Developed my portfolio website from scratch, leveraging various latest minimalist and modular approaches.
- Significantly expanded my online presence, resulting in an **80% jump in profile visits** and **27% spike in profile's search appearances** on social media platforms like LinkedIn.
- Incorporated website hosting using **GitHub Pages** and integrated dynamic web elements using **Vanilla JS**.