Muhammad Memon

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○ GitHub
🌐 Portfolio
LeetCode

🖥️ PROFESSIONAL SUMMARY/CAREER PROFILE

- Third-year undergraduate student studying computer engineering who is results-oriented, has a solid academic background, and has practical experience working on technology-driven initiatives.
- Proven ability to work well in teams, solve challenging issues, and succinctly explain technical ideas.
- I have hands-on experience applying engineering principles to real-world problems and working on technology-driven projects.
- I am competent in Word and Excel, with practical experience in data analytics, software development, and engineering solutions.
- Passionate about technology and innovation, eager to apply analytical and programming skills to develop impactful software solutions.
- A passion for technology and innovation, with an interest in data analytics and software development.

🎓 Education

Bachelor of Computer Engineering | Technological University Dublin
Sep 2021 – May 2026
Modules: | Computer Networks - Software Design & Quality - Programming 1 & 2 - Analogue & Digital Electronics - Wireless and Mobile Networks

</> Skills

- Python
- C++ and C programming
- Java
- Assembly Language
- Arduino
- JavaScript

💼 Experience

Student Ambassador | Amazon

Feb 2022 – May 2022

- Promoted Amazon's services and products to the student community, increasing brand visibility and engagement.
- Organized and executed marketing campaigns tailored to student needs and interests.
- Built relationships with campus societies to foster partnerships and brand advocacy.

Sales Associate | TU Dublin

Nov 2023 – Jan 2024

- Consistently met and exceeded sales targets, contributing to overall store success.
- Provided excellent customer service, ensuring a positive shopping experience and resolving customer inquiries efficiently.

SuperVisor | Wowburger

Juky 2021 – Jan 2023

- Managed a team of 15 staff members, ensuring smooth daily sales and shift scheduling.
- Developed and implemented marketing strategies to increase customer engagement and sales.

⛓ Projects

Greenhouse Monitoring System

Designed a greenhouse monitoring system using DS1820 (Temperature), DHT22 (Humidity), and LDR (Light) sensors, displaying real-time data on an HD44780 LCD.

📄 Click here for more info

IoT Network Microcontroller System

Developed a microcontroller system using ESP32-S3 for Wi-Fi and Bluetooth connectivity, integrated with Microsoft Azure, Node-RED, Grafana, and InfluxDB for data visualization and cloud-based management.

📄 Click here for more info

GP Virtual System

Implemented a health monitoring system that tracks temperature (DS18B20), heart rate (SEN0203), and blood pressure. Integrated Tasmota and Node-RED with a secure SQL database and PHP website for real-time data access.

📄 Click here for more info

Personal Portfoilio

HTML/CSS/JavaScript/API Keys/SQL Databases/PHP

🐙 Click here for more info

🏅 Achievements

- Nominated Best Student for Leadership in 1st Year Computer Engineering Project
- Awarded for the best class Representative
- Collaborated with university administration

👥 Extracurricular Activities

Events Officer & Treasurer | TU Dublin Islamic Society

May 2022 – Present

- Secured venues and coordinated events for the society.
- Managed society funds, ensuring efficient allocation for guest speakers and events.
- Collaborated with university administration to obtain funding and sponsorships.

Member | Engineers Ireland

Jan 2021 – Present

- Engaged with Ireland's largest professional engineering body, staying updated on industry advancements and best practices.
- Participated in networking events, seminars, and workshops to enhance engineering knowledge and professional development.
- Collaborated with peers and professionals to explore engineering challenges and innovative solutions.

Founder | Irish Sign Language Society, TU Dublin

Dec 2022 – Present

- Established the society, recruiting 50 students and 2 interpreters to promote inclusivity and awareness of sign language.
- Developed proficiency in Irish and UK Sign Language to enhance communication within the society.
- Organized workshops and events to support students in learning and engaging with sign language.