Muhammad Memon

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Portfolio: [Engineering Portfolio. Web](#)   **LinkedIn:** [Muhammad Memon | LinkedIn](#)

Personal Statement

- Hardworking student studying Computer Engineering programme at TU Dublin.
- Developing cloud infrastructure, network configuration, database management, data analytics and eager to further my knowledge and contribute to innovative IT and system development.
- My work experience has given me the opportunity to develop skills in customer service, teamwork and time management.
- Currently working on an AI/Computer Vision project for a low-cost Advanced Driver Assistance System (ADAS), demonstrating real-time data processing, model deployment, and embedded hardware integration. Strong collaborator with proven leadership experience in team projects and volunteering.
- Last bullet point express your interest in the role and the company that you are applying to

Skills Profile

- Programming skills: C/C++, Python, Linux, Grafana/SQL databases, Java/JavaScript
- Network Technologies
- Office 365 and systems administration skills
- Effective team management
- Customer service skills

Academic & Professional Qualifications

2015-2022   **BSc (Hons) Computer Engineering**
Technological University Dublin, Blanchardstown, Dublin 15
Modules: Computer Networks, Networking, Data Analytics, Java&Algorithims Embedded System

Projects

Greenhouse Monitoring System (2nd Year):
- Designed a real-time system to track temperature, humidity, and light (DS1820, DHT22, LDR) with LCD and PCB layout optimization.
- Tested for sensor accuracy and system performance.

Networked Microcontroller IoT System (3rd Year Mini Project):
- Built an ESP8266-based microcontroller with Tasmota firmware for I²C/SPI communication.
- Integrated with Microsoft Azure, Node-RED, Grafana, and InfluxDB for cloud data management and real-time monitoring.

GP Virtual Monitoring System (3rd Year Final Year Project):
- Developed a health monitoring platform tracking temperature, blood pressure, and heart rate.
- Used DS18B20 and SEN0203 sensors with MQTT/Azure integration and MySQL (XAMPP) for secure storage.
- Designed a dynamic website (HTML, CSS, JavaScript, PHP) for real-time health data access.

Work Experience

Jun 2020- July 2021   **Memon Transport Limited, Summer Analyst, Dublin**
- Supported system documentation and onboarding processes for new staff
- Assisted with monitoring and troubleshooting cloud-hosted servers
- Gained exposure to business operations through participation in strategy meetings with senior leadership

July 2022- Jan 2023   **Wow Burger Dublin, Supervisor, Dublin**
- Helping customers and reaching weekly targets for sales
- Meet the weekly targets and handle sales, customers needs
- Delivered detailed financial reports to company directors

Dec 2024 - Present   **Founder of Irish Sign Language, Technological University Dublin Leadership**
- Established and grew membership to 50+, securing interpreters for inclusivity
- Promoted Irish culture and inclusivity through Irish and UK Sign Language.

Interests

- Working on projects
- Maintaining computer hardware/software
- Badminton, Cycling, Hanging out with mates
- Keeping fit - member of Clayton Hotel gym since 2022
- Volunteering - Treasurer for Charity Week, Ambassador Roles in Amazon & Deliveroo

Achievements

- Gaisce President's & Programming Awards in Coursera/Udemy Awards
- Participated in the BT Young Scientist of the Year and won 3rd Prize
- Nominated Class Representative Student Ambassador of the Year – 2024&2025