Muhammad Memon

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⬤ MMemon2003 LeetCode muhammadmemo2000 - LeetCode Profile

PROFESSIONAL SUMMARY/CAREER PROFILE

- Committed third-year Computer Engineering undergraduate with a strong academic background.
- Developed skills in problem-solving, teamwork, and effective communication through diverse experiences.
- Proficient in tools Excel and Word, with hands-on experience in technology-focused projects.
- A passion for technology and innovation, with an interest in data analytics and software development
- Extremely interested in the Summer Internship with PwC

EDUCATION

2022 – Present	Technological University Dublin (TUD) Dublin, Ireland Bachelor of Computer Engineering GPA 3.47, 1st Class Honours (Expected **Subjects:** Computer Networks, Programming 1 & 2, Software Design Quality
2015 – 2021	Coláiste Phadraig, Lucan Dublin Leaving Certificate – 563 points

PROJECTS

Greenhouse Monitoring System (2nd Year Project)

GREENHOUSE SYSTEM | Designed for monitoring environmental parameters to optimize plant growth

SENSOR INTEGRATION | DS1820 for temperature, DHT22 for humidity, and LDR for light intensity

DATA DISPLAY | LCD screen for real-time sensor data

PCB & SCHEMATIC DESIGN | Custom PCB for optimized component layout and circuit flow

TESTING & VALIDATION | Rigorous testing to ensure sensor accuracy and system performance

Network Microcontroller System (3rd Year Mini Project)

IoT SYSTEM | Developed a networked microcontroller with IoT capabilities for efficient data management and cloud integration

FIRMWARE | Tasmota for I2C, SPI, and serial communication

CLOUD INTEGRATION | Microsoft Azure for backend and state management

HARDWARE | Upgraded from ESP8266 to ESP32-S3 for enhanced Wi-Fi

DATA MANAGEMENT | Node-RED, Grafana, and InfluxDB for real-time monitoring and analysis

GP Virtual Monitoring System (3rd Year Final Project)

GP Monitoring System | Tracks body temperature, blood pressure, and heart rate using DS18B20 and SEN0203 sensors.

Sensor Integration | Configured DS18B20 and SEN0203 with Tasmota for MQTT communication.
Cloud and Database | Set up MQTT on Azure and integrated MySQL via XAMPP for secure data storage.
Website Development | Built a dynamic website using HTML, CSS, JavaScript, and PHP for real-time health data access.
System Testing | Ensured reliability and data connectivity with local XAMPP testing.

WORK EXPERIENCE

Amazon, Student Brand Ambassador – Dublin Ireland, 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.

Founder of Irish Language Society – Technological University Dublin – Dec 2022 - Present
- Founded the Irish Language Society at TUD, signing up 50 students and 2 interpreters to promote language and cultural inclusivity.
- Acquired proficiency in Irish and UK Sign Language to ensure effective communication and inclusivity for all members.
- Organized events and workshops to engage students in learning the language and fostering a supportive environment for sign language users
- Built strong relationships with students, faculty, and external interpreters to ensure the society's success and growth.

Wow Burger, Supervisor - Lucan, July 2021 – July 2023
- Managed a team of 15 staff members, ensuring smooth daily operations and high team morale.
- Organized and scheduled shifts to maximize efficiency and coverage
- Developed and implemented marketing strategies to increase customer engagement and sales.

Currys Pc World, Sales Associate - Lucan, Nov 2023 - Jan 2023
- Consistently met and exceeded individual and team sales targets, contributing to overall store success.
- Delivered exceptional customer service, addressing queries and resolving issues promptly. Created a welcoming shopping experience that encouraged repeat customer visits.

Dominoes, Team Member – Lucan, Oct 2024 - Present
- Assisted in IT-related tasks whenever needed, demonstrating adaptability and collaboration with the management team.
- Provided exceptional customer service by addressing collection and delivery issues, ensuring customer satisfaction.
- Help in various roles, from pizza preparation to taking orders and ensuring accuracy, showcasing a strong work ethic.

SKILLS

PROGRAMMING | HTML, and CSS; familiar with C/C++, Java, Python, SQL, MongoDB
SOFTWARE | Proficient in Excel, Word
COMMUNICATION| Multilingual in Irish, Urdu, Arabic, and Sign Language
LEADERSHIP & VOLUNTEERING| Treasurer and Events Officer for Charity Week
PROFESSIONAL | Problem Solving (Sales)

INTERESTS

Software Development & Tech | Designing scalable software leveraging advanced cloud computing.
Teamwork and Growth | Enthusiasm for collaborating with others and learning new skills. **Extracurricular Activities |** Playing football, badminton and Card games **Problem Solving|** Enjoy tackling challenges and finding efficient, innovative solutions.

ACHIVEMENTTS

Leadership & Volunteering | Nominated Best Student for Leadership in 1st Year Computer
Engineering Project – April 2021
Student Ambassador of Charity Week/Islamic Society - Nov 2021
Class Representative Sep 2021 – Sep 2022
Student Brand Ambassador (Deliveroo) - Aug 2024
Events Officer for Islamic Society - Present
Professional | Member of Engineers Ireland – Present

REFEREES

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