

Mehad Nadeem

Graduate Software Engineer

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PERSONAL PROFILE

I am a graduate Software Engineer with BSc (Honours) in Software Design with VR (Virtual Reality) & Gaming at Technological University of Shannon (TUS).

I am a hardworking and creative individual. I aim to achieve my tasks efficiently and effectively. As a graduate Software Engineer, I am always trying to keep up with the latest technologies and trends.

EDUCATION

2019 - 2023

BSc (Hons) Software Design with Gaming & VR
Technological University of the Shannon

2014 - 2019

Leaving Cert
Marist College

WORK EXPERIENCE

Technological University of Shannon

Robotics Engineering

January 2018

Worked with variety of different equipment. Made a small working robotic car for testing Arduino devices. Demonstrated the progression made during placement to teachers and fellow classmates.

Technological University of Shannon

College Placement

January 2022

During college placement, I worked in a group to design and develop an application that can be used to parse custom PDFs into CSV or Excel file format. Throughout the placement I used communication and time management skills effectively to make sure that I was communication with my group members and that I was completing the tasks assigned to me.

PROJECTS

Individual Project

- A VR application that allows users to connect and control real UR5 (Universal Robot 5) robot.
- Incorporated knowledge of VR technology and techniques to achieve a better user experience in VR.
- The application was designed based on Client-Server Architecture.
- Developed the VR application using Unity Game Engine and C# programming language.
- Integrated different SDKs to implement some functionalities.
- The project was completed on time because of my time management and organization skills.

Group Project – Newspaper Agent

- A group project in which we had to create a GUI application for carrying out CRUD operations on a database.
- Used JDBC and Java Swing for establishing the connection with the database and for UI components of the application, respectively.
- I was team leader for one of the sprints.
- As a group, we decided to use an agile-driven approach for the project.
- I was responsible for implementing the UPDATE functionality. As well as creating GUI for the application.

SKILLS

- Communication skills.
- Time-management skills.
- Organizational skills.
- MS Word and MS PowerPoint skills.

PROGRAMMING LANGUAGES & TOOLS

- Programming Languages: Java, Python, C++, MySQL, C#
- Tools: Unity, GitHub, Visual Studio, Visual Studio Code, Eclipse
- Other: Virtual Reality (VR) Development