

Adnan Ibrahim

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Education

Maynooth University, Kildare, IE

Sep 2022 - Present

BSc Computer Science & Software Engineering

- Second Year GPA: 2.1
- First Year GPA: 2.1

Skills

Languages: Java, Python, SQL, HTML, CSS, JavaScript.

Technologies: Visual Studio Code, PGAdmin, Processing 4, GitHub, CircuitVerse, Google Firebase, MongoDB.

Projects

Portfolio Website - HTML, CSS, JavaScript

January 2024

- Personal portfolio website - Introduction, Interests, Skills and Projects.
- Skills Used/Learned - Debugging, Web Development, Project Management, Design Principles, Problem Solving.

BlackJack (2 Player game) - Java

November 2023

- The player that gets closest to 21 wins the game.
- Skills Used/Learned - Debugging, Project Management, Data Structures and Algorithms, Game Logic, OOP, Problem Solving, Loops and Iteration.

ATM - Java

April 2023

- Basic ATM Functions - Check Balance, Withdraw, Deposit and Exit.
- Uses an on-start password system - must be 4 numbers long.
- Skills Used/Learned - Debugging, Project Management, User Authentication, Data Structures and Algorithms, Data Validation, Condition Statements, Loops and Iteration, Problem Solving.

Garbage Recycler - Processing

December 2022

- Identifying different types of garbage - Waste, Plastic and Glass.
- Includes an user input with lives functionality and scorekeeping.
- Skills Used/Learned - Debugging, Game Development, Data Structures and Algorithms, Project Management, Problem Solving.

Covid Detector - HTML, CSS, JavaScript, Python

March 2021

- Leaving Certificate Final Project - Covid Detector using a BBC MicroBits based on temperature - Hot, Cold, and Room.
- Analysed data to determine where Covid was most likely to occur based on the saturated water vapor in the air and the time of day.
- Skills Used/Learned - BBC MicroBits, Data Analysis, Data Visualisation, API Integration, Debugging, Project Management, Problem Solving.

Experience

Amber Spring Hotel, Gorey, IE

November 2021 - Present

Floor Staff / Waiter

- Developed skills working Breakfast, Lunch, Dinner, Coffee Dock, and Functions shifts.
- Experience in customer service, order management, maintaining a smooth workflow and working in a busy environment as well as handling cash flow.

Maynooth University, Kildare, IE

June 2024 - September 2024

Summer Camp Head Demonstrator and Demonstrator

- Head Demonstrator for Turing Tumble and Finch Robots 2.0.
- Created sessions and facilitated other demonstrators with sessions.
- Went through step-by-step guide of how Finch robots work and Turing Tumble to over 100 students.

Maynooth University, Kildare, IE

October 2023 - May 2024

Computer Science Support Center Tutor

- Tutoring First Year Computer Science Students who need help with programming concepts with weekly labs in Java.
- Weekly Tutoring for Leaving Cert Computer Science Students in Python.

Maynooth University, Kildare, IE

July 2023 - September 2023

Summer Camp Head Demonstrator and Demonstrator

- Head Demonstrator for BBC MicroBits.
- Created a BBC MicroBits Game and gave a lecture to over 100 students.
- Went through step-by-step process of how to make the game and explained concepts to students.
- Facilitated other Head Demonstrators with sessions by going through code and explaining to students.

Volunteer

CoderDojo - Hosted by Maynooth University.

November 2023 - May 2024

Demonstrator

- Head Demonstrator for a BBC MicroBits session during Christmas - Made a “snowflake-catching” game and went through a step-by-step process of how to make the game.
- Facilitated other head demonstrators with sessions such as Processing, Scratch, MicroBits, RoboCode and Java.

Maynooth Badminton Club

September 2023 - May 2024

Treasurer

- Tracking expenditure and income.
- Budgeting.
- Cost Control.

Licences and Certifications

Java Development Bootcamp - Udemy

- Advanced Java Concepts.
- OOP Principles.
- Utilising popular Java libraries and frameworks.
- Functional Programming.

MySQL Bootcamp - Udemy

- Advance SQL Concepts.
- Database Management.
- Database Design and Normalisation.
- Aggregated Operations.

References

Available upon request.