Abdul Arif

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LinkedIn · GitHub · GitConnected · Portfolio

EDUCATION

University of Windsor   Sept. 2018 – Dec. 2022
BComm. Honours, Business Administration & Computer Science (Double Major)   *Windsor, ON*
Specialization: Supply Chain & Business Analytics

EXPERIENCE

Teaching Assistant - Computer Networks   Sept. 2021 – Present
University of Windsor   *Windsor, ON*
- Teach students how to implement network applications using network sockets in **Python** and **Java**.

Coding Teacher (Code Sensei)   Mar. 2021 – September 2021
Code Ninjas   *Brampton, ON*
- Taught kids ages 5 - 14 how to code in a fun, and engaging way - by playing and building video games they love.
- Taught using Scratch to code games such as Space Invader and Ninja Run.
- Taught the advanced stage with our Game Development Platform to teach several languages such as **JavaScript**, **Python**, **Lua**, and **C#** for Unity.
- Lead coding summer camps and instructed Lego robotics, Roblox Studio/Lua, and Minecraft mods with Mcreator.

Software Engineer Intern   Aug. 2020 – Dec. 2020
OceanSource Technologies   *Lasalle, ON*
- Designed database structure, so my team could store sensitive medical data to be analyzed with machine learning.
- Implemented database using advanced SQL commands.

Technical Support   Sept. 2019 – Aug. 2020
Odette Finance Association   *Windsor, ON*
- Assessed and troubleshoot computer problems brought by staff and students.

Youthrive Mentor   Sept. 2019 – Aug. 2020
Enactus   *Windsor, ON*
- Helped grade 7 & 8 students develop a product or skill of their choosing to sell at YouthX.

PROJECTS

Traffic Data Challenge | *HTML, CSS, Python, JavaScript*   Sept. 25 2021 – Sept. 26 2021
- Won 2nd place in BorderHacks 2021 for the Traffic Data Challenge.
- Implemented Google Maps API in **JavaScript** to create a site for visualizing Traffic data using City of Windsor's OpenData API

Local Sneakers Website | *HTML, CSS, PHP*   Jan. 2021 – Apr. 2021
- Developed a website for reselling shoes.
- Implemented a request feature so users can sell their shoes on our platform.

ScheduleSoft | *MySQL, Java, Junit*   Sept. 2020 – Dec. 2020
- Developed a scheduling application intended to make managing appointments for clients (patients) easier.
- Implemented both signup and log-in so only authorized users have access to their appointment.
- Designed and implemented a **SQL** database to securely store user and appointment information.

Network IP Manipulator | *Python*   Sept. 2020 – Dec. 2020
- Used multiple threads so program could discover live network neighbors and report them at the same time.
- Created a tool to find computers on the local network and then removed internet access by overwhelming it with TCP or UDP packets; to expose a vulnerability in the structure of Wi-Fi.

The Game of Nim | *Java*   Jan. 2020 – Apr. 2020
- Nim is a mathematical game of strategy in which two players take turns removing objects from piles.
- Goal of the game is to avoid taking the last object.
- AI has different difficulty levels which the user can play against.

TECHNICAL SKILLS

Languages: Java, Python, C, MySQL, PostgreSQL, PHP, HTML, CSS, JavaScript(React, Node, Heroku), LaTeX, C#
Technology: Git, Visual Studio Code, JetBrains (PyCharm, IntelliJ, PhpStorm, Rider), Wireshark, Unity, Tableau