MANJOT SINGH

1055 Gordon Street, N1G 4X9, Guelph · (226)-332-4899
msingh48@uoguelph.ca

Technical Skills:

Languages: C/C++, C#, Java, Python, Html, CSS, JavaScript
Dev tools: ASP.Net, flask**,** React, React Native, Node.js, jQuery, Ajax, Bootstrap, JSON, Pandas, Seaborn, Matplotlib, NumPy, Swing, AWT,
Data Base Management – SQL(MySQL), MSSQL, IBM Notes
Methodologies: Agile Method, Pair Programming, Packet Tracer
Operating Systems: Windows, MacOS, Debian Linux
Other: Microsoft Viva, Microsoft Suit, Microsoft Office Applications, PowerShell, Assembly (Easy 68K), Visual Studios, Visual Studios Code, Bit Bucket, GitHub

WORK EXPERIENCE:

Township of Centre Wellington – IT&S co-op student
Reference – Jeff Veniez – President
Office: 519 846 9691 x316
Cell: 226 820 1405
May 2020 – September 2, 2022

- Working with RESTful APIs Provided by the Township of Centre Wellington to Automate the information on their private Cloud service
- Using JavaScript, Python, flask, jQuery, Ajax CSS, and HTML to create a website
- Using Microsoft 365 cloud service and Microsoft viva.
- Address user tickets

Kenna – Web Application Developer
September 3 – December 23, 2022

- Working on tickets regarding web solutions
- Working with Node.js and React applications
- Using IBM Notes
- Update, enhance and maintain existing web solutions

Education:

2020-PRESENT
Bachelor of Computing, Software Engineering (Co-op), University of Guelph (50 Stone Road East, Guelph ON)

- Gained understanding of the use of various programming languages throughout my education.
- Intermediate knowledge of collaboration in groups in my software design courses.
- Completed both backend and frontend manipulation of code.

Academic Project:

Tweet Manager (2021) (GitHub hyperlink)

- Uses queues in C to manage tweets

COVID-19 Statistical Analysis (2021) (GitHub hyperlink)

- The program will process, analyses, and plot relation between COVID-19 cases and other data using Seaborn, Matplotlib and Pandas.
- Acquired Knowledge about group work and agile method.

Portfolio of Investment in GUI (2021) (GitHub hyperlink)

- A Graphical user interface where you can buy, sell, update, get gain and search for the investment (stocks or mutual funds) you made.
- Programmed using java by using swing and AWT libraries.

SVG Parser (2022) (GitHub hyperlink) (Website hyperlink)

- Programmed using JavaScript (Node.js, Bootstrap, jQuery, Ajax), HTML5, CSS3 C, xml (.svg), .xsd files.
- Parsed svg files using C and made GUI using JavaScript, HTML5, CSS3.

Personal Project:

Tankie The Wi-Fi controlled Raspberry Pi Car: (GitHub hyperlink) (Website hyperlink)
What it is:

- A Wi-Fi car with a camera programmed using python.
- Can be controlled using any device with access to the website.
- Streams a live video feed on the website.

Skills Used:

- HTTP library to stream camera feed
- Ajax requests to control the pi from the website
- Flask library for hosting the webserver