MEET MEHTA

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ABOUT ME

A highly skilled, competent, and diligent individual with three+ years of experience dealing with clients, seeking an opportunity to establish a career in Software Engineering.

EDUCATION

BACHELOR OF COMPUTER SCIENCE

University of Ottawa | 2021 - Present

MECHANICAL ENGINEERING - DESIGNING AND DRAFTING

Sheridan College | 2016 - 2018

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Database
- Programming Paradigms
- Discrete Structures
- Data Communication and Networking
- Foundation in Modelling and Simulation
- Computer Architecture

TECHNICAL SKILLS

Programming Languages
Java, Python, JavaScript, HTML, SQL

Frameworks
Spring, Bootstrap, jQuery

Version Control
GitHub, GitLab, Bit Bucket

Database Systems
MySQL, MS SQL Server

IDE and Tools
Android Studio, Visual Studio, Jupyter, Eclipse, Sublime

PROJECTS

ANDROID APPLICATION – COURSE BOOKING APPLICATION

The application was developed as a part of the term project using Android Studio while collaborating on GitHub. The application was designed by following the preset project guidelines where students can enroll in courses, professors can select various aspects of courses and administrators ensure the integrity of the system.

AWARD WINNING TWITTER-BASED HOME AUTOMATION SYSTEM – SOCIO VILLA

Presided over a team working on a project named 'Socio-Villa' that would control the home appliances using tweets and hashtags. The project gained media recognition and was awarded at a tech-fest.

AWARD WINNING JAVA GAME – WHO WANTS TO BE A MILLIONAIRE?

The game was developed in Java by a group of two, to be presented at an interschool tech-fest.

SIMULATION OF A MULTI-SERVER QUEUING SYSTEM

The system was developed using Python and Excel to simulate a multi-server queue system as a part of the term project.

ANALYZING AND VISUALLY REPRESENTING OLYMPICS DATA USING PYTHON AND POWER BI

An opensource dataset for Olympics was used to analyze various statistics and key factors of the participating nations and visually represent the findings using Python in Jupyter as well as Power BI as a part of the term project.

ACTIVITIES

VP OF CODING SYNDICATE CLUB

Sheridan College - Brampton, ON | 2017 - 2018

PEER MENTOR - MATH

Sheridan College - Brampton, ON | 2017 - 2018

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WORK EXPERIENCE

SYSTEMS DEVELOPER - MECHANICAL

BVGlazing Systems Inc - Vaughan, ON | Nov 2018 - Present

- Worked closely with clients to create simulation-driven solutions for deployment of designs for manufacturing of Awning and Casement Systems
- Developing a system, including all aspects relating to system approval testing, unit testing, parallel testing, implementation, and documentation as assigned
- Acted as the liaison between BVGlazing business users and Winporte during the change management process to ensure that problems, changes, and development are addressed both from a user's perspective as well as BVGlazing as a whole
- Prepared 3D CAD models, printing manufacturing drawings for new prototypes using 'Inventor.'
- Create and maintain technical procedures and documentation for new and existing applications including operations, user guide, etc.
- Responsible for thermal analysis of system for heat losses as per the NFRC standard
- Responsible for the design of window systems, creating hardware assessment template forms for various sizes of the window systems (Awning & Casement windows and Lift and Slide Doors)
- Assembly and testing of advanced window systems as per NAFS testing standard for air and water leakage
- Researching materials and techniques to analyze problems on existing and new products to enhance the performance of the system and determine project sustainability
- Using practices in building science, structural engineering, and thermal analysis