

Meet Mehta

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TECHNICAL SKILLS

- **Programming Languages:** :Java, Python, Javascript, HTML, SQL, CSS
- **Frameworks:** :Spring, Bootstrap, jQuery, Node.js, Django
- **Database Systems and tools:** :MySQL, DBVisualizer, PostgreSQL, GitHub, Selenium, PitTest, EasyMock, Docker

PROJECTS

- **Rate My Course**

Django, Python, JavaScript, HTML, CSS, Google OAuth2 API, GitHub, PostgreSQL

- A responsive web application for students to rate and review over 10,000 uOttawa courses.
- Leveraging PostgreSQL to maintain and update 2 tables, courses, and ratings for efficient data management.
- Integrated Google OAuth2 API for secure user authentication and a responsive user interface using HTML, CSS, and JavaScript, for an intuitive user interface.

- **Hotel Management Web Application**

Jakarta Servlet API, PostgreSQL, Apache Tomcat, HTML, CSS, Java, Bootstrap

- A hotel management application handling 5 Hotel Chains, each consisting of 10-100 Hotels, with 3-25 Employees and 10- 100 Rooms per Hotel.
- Integrating a clean and simple UI built using Bootstrap, with Jakarta Servlet API 6.0 for server-side processing.
- Hosted the application on Apache Tomcat 10.1.7 server and connected the database using PostgreSQL.

- **Multi-server Queuing System Simulation**

Excel, Object Oriented Programming (Java)

- A Java-based simulation program to showcase 100 real customers at a Subway sandwich shop.
- Using the 100 real-time data points to identify bottlenecks and propose 3 enhanced service delivery alternatives.
- Modeled 3 scenarios, including parallel servers reducing wait time by 50%, adaptive server allocation reducing average service time by 50%, and strategic server repositioning increasing the efficiency of the servers by 80%.

- **Course Booking Android Application**

Android Studio, Java, PostgreSQL

- Android course booking application for universities with 3 user authentication profiles, Admin, Student and Teacher.
- Utilized MySQL for efficient database management. Executing all 4 CRUD operations to manage the database.
- Implementing concepts such as encapsulation, inheritance, and polymorphism to create modular code.

- **Image Processing using RANSAC**

JAVA, GO, Prolog, Scheme, Image Processing

- 3D image processing algorithm to read and process coordinates to find the dominant planes.

- **Power BI**

- Engaging dashboard to visualize data like productivity and ranking of 227 participating countries in the Olympics.
- Intuitive cost breakdown and statistical comparison between 31 countries for summer and winter Olympics.

- **Personal Website**

- A clean and simple portfolio website built from scratch using HTML, CSS, and JavaScript.

EXPERIENCE

- **BVGlazing Systems**

Nov 2018

Systems Developer - Mechanical

Vaughan, ON

- Developed fully functional 3D models of products using VB.Net to create interactive simulations.
- Performing thermal analysis using ANSYS/ THERM of the system to assess heat losses as per the NFRC standard.
- Designed, engineered, and tested window systems to meet NAFS standards.

EDUCATION

- **University Of Ottawa**

Ottawa, ON

Honors Bachelor of Science in Computer Science; GPA: 8.35/10

Sep. 2021 – Dec. 2023

- **Sheridan College**

Brampton, ON

Mechanical Engineering Designing and Drafting; GPA: 8.4/10

Sep. 2016 – Sep. 2018

AWARDS

- **University Of Ottawa:** Dean's Honors List (All Semesters 80+ average) and Scholarship worth \$1000 every semester