

Meet Mehta

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mehtameet12.github.io/PersonalWebsite

EDUCATION

- University Of Ottawa - Honors Bachelor of Science in Computer Science** Sept. 2021 - Dec. 2023
 - *Dean's Honors List, Scholarship worth \$7000 for 80+ in all semesters — GPA: 8.31/10* Ottawa, ON
 - Relevant Courses: Data Structures and Algorithms, Design and Analysis of Algorithms (A-), Comp Architecture (A-), Database (A+), Analysis and Design of UI (A+), Software Engineering (A+), Intro to AI (A), OOP(A-)
- Sheridan College - Mechanical Engineering Designing and Drafting** Sept. 2016 - Sept. 2018
 - *Scholarship worth \$4000 for 80+ in all semesters — GPA: 8.4/10* Brampton, ON

EXPERIENCE

- GrainFox** Jan 2024 - Current
 - *Software Engineer* Ottawa, ON
 - Developed Python scripts using Selenium to automate web-based price scraping and data entry into the database.
 - Utilized Django ORM to write optimized queries for efficient insertion of scraped pricing data for grain collectors.
 - Effectively employed Docker to set up containers across various environments, including WSL, VM, and different OSes (arm64, amd64). Resolved version compatibility issues, contributing to smoother team workflows.
 - Real-Time Pricing: Integrated automated scripts with the 'price bid-map', enhancing real-time pricing visibility.
 - Involved in development of Machine Learning API and data pipelines for creating a chatbot using LLM models.
 - Contributed to Agile projects through active participation in stand-ups and sprints, fostering collaboration.
- GastroTrackAI** Oct 2023 - Dec 2023
 - *Web Developer - Intern* Ottawa, ON
 - Customized the website theme using Material UI, incorporating responsive design, theming, styling, grid system, and typography. These enhancements contributed to a significant boost in user engagement.
 - Developed website's front-end using React, resulting in a 20% improvement in user interface and functionality.
 - Implemented SMTP protocol using Node.js to effectively send/ receive emails, enhancing efficiency by 15%.
 - Enabled transfer of text and images between client and server using nodemailer, enhancing overall communication.
- BVGlazing Systems** Nov 2018 - Current
 - *System Designer - Mechanical* Vaughan, ON
 - Engineered over 15 interactive 3D models using VB.Net, resulting in engaging user simulations.
 - Orchestrated initial design, engineering, and testing of 5+ NAFS and code compliant window systems.

PROJECTS

- Rate My Course**
 - A responsive web application, for students to rate and review over 10,000 uOttawa courses.
 - Engineered a dynamic search feature using JavaScript, allowing users to efficiently find and access course information, resulting in a 25% decrease in search time and enhancing the overall user experience.
 - Ensured secure user authentication and provided a user-friendly interface by integrating Google OAuth2 API, offering users a reliable login mechanism and an intuitive interface.
 - Improved data efficiency by leveraging PostgreSQL, managing and updating two essential tables, courses, and ratings, resulting in a 15% reduction in data retrieval time, improving system performance.
- Hotel Management Web Application**
 - Led a team of 3 students to create an interactive hotel management application handling 5 Hotel Chains.
 - Devised a user-friendly front-end UI using Bootstrap, and hosted the database using PostgreSQL
- Multi-server Queuing System Simulation**
 - Java-based simulation program for a Subway sandwich shop, utilizing real-time data from 100 customers.
 - Using 100 real-time data points, identified bottlenecks in the system and proposed 3 enhanced service delivery alternatives, reducing the overall wait time by more than 50% in each case.
- Course Booking Android Application**
 - Java-based application for universities with three user authentication profiles (Admin, Student, and Teacher).
 - Used MySQL and CRUD operations for db management. Implemented OOP concepts for modular code.

TECHNICAL SKILLS

- **Object Oriented Programming/ Web Development:** Java, Python, HTML, CSS, Javascript (Node.js), SQL
- **Frameworks, Libraries and Database Systems::** React, Bootstrap, Django, MySQL, PostgreSQL
- **Tools:** GitHub, Docker, Linux Command Line, Selenium, Google OAuth2 API, PowerBI, Jira