

# Meet Mehta

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[mehtameet12.github.io/PersonalWebsite](https://mehtameet12.github.io/PersonalWebsite)

## EDUCATION

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- 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 - Aug. 2018
  - Scholarship worth \$4000 for 80+ in all semesters — GPA: 8.4/10 *Brampton, ON*

## EXPERIENCE

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- Farm Link Solutions - GrainFox** Jan 2024 - Current *Ottawa, ON*
  - Software Engineer
    - Utilized **Django ORM**, to write SQL queries for insertion of scraped data into the database for grain collectors.
    - Created data pipelines for real-time pricing, by integrating automated **web scrapping** scripts using **Selenium**.
    - Developed retrievers and pre-processors for a unified data pipeline essential for gathering data for a ML model.
    - Implemented **Amazon S3** for scalable and secure object storage and **Amazon RDS** for relational databases.
    - Applied **Docker** to set up microservice containers across diverse environments, including WSL, VM, while resolving version compatibility issues. Ensured smooth deployment, contributing to a modular and scalable architecture.
    - Crafted **Python scripts** to gather, categorize articles, and integrated ChatGPT API to generate newsletters.
    - Contributed to Scrum-based **Agile projects** through active participation in stand-ups and sprint reviews.
- GastroTrackAI** Sept 2023 - Dec 2023 *Ottawa, ON*
  - Web Developer - Intern
    - Using **typescript**, customized the website theme with **Material UI** for better 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** Sept 2018 - Aug 2023 *Vaughan, ON*
  - System Designer - Mechanical
    - Engineered over 20 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

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- Rate My Course**
  - A responsive web application, for students to rate and review over 10,000 uOttawa courses.
  - Ensured secure user authentication by providing an intuitive interface using **Google OAuth2 API**.
  - Engineered a search feature using **JavaScript**, allowing users to efficiently find and access course information.
  - Improved data retrieval efficiency by 15% through **PostgreSQL's** optimized relational tables.
- JAVA 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

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