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

EXPERIENCE

Farm Link Solutions - GrainFox — Jan 2024 - Current
- *Software Engineer* — *Ottawa, ON*
  - 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.
  - Created DAG in **Airflow** to deploy Python scripts for automated data processing and workflow management.
  - Contributed to Scrum-based **Agile projects** through active participation in stand-ups and sprint reviews.

GastroTrackAI — Sept 2023 - Dec 2023
- *Web Developer - Intern* — *Ottawa, ON*
  - 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
- *System Designer - Mechanical* — *Vaughan, ON*
  - 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

- **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

- **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, Datadog, Airflow