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

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.
  - Contributed to Scrum-based **Agile projects** through active participation in stand-ups and sprint reviews.

GastroTrackAI Oct 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 Nov 2018 - Oct 2023
- *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 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