

Meet Mehta

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mehtameet12.github.io/PersonalWebsite | Canadian Citizen

EDUCATION

- University Of Ottawa - Honors Bachelor in Computer Science** Sept. 2021 - Dec. 2023
• *Dean's Honors List, Scholarship worth \$7000 — GPA: 3.4/4* Ottawa, ON
- Sheridan College - Mechanical Engineering** Sept. 2016 - Aug. 2018
• *Scholarship worth \$4000 — GPA: 3.4/4* Brampton, ON

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, VB.Net, C++, HTML, CSS, Javascript (Node.js)
- **Python Libraries::** PyTorch, Pandas, Numpy, Matplotlib, **TensorFlow**, TA-Lib
- **Databases & Frameworks/ Libraries:** MySQL, PostgreSQL, React, Bootstrap, Django
- **Development Tools:** Git, Docker, Bash, AWS, Jira, Selenium, Google OAuth2 API, PowerBI, Datadog, Airflow.

EXPERIENCE

- Farm Link Solutions - GrainFox** Jan 2024 - Current
• *Software Engineer* Ottawa, ON
 - Developed and trained a machine learning model using libraries like **XGBoost** to predict commodity prices.
 - Implemented the model to compare current prices with expected values, ensuring they remain within predefined tolerance levels, thereby contributing to the smart-advisor feature.
 - Crafted Python scripts to gather, categorize articles, and integrated **ChatGPT API** to generate daily newsletters.
 - Utilized **Django ORM**, to write SQL queries for insertion of scraped data into the database for grain collectors.
 - Used **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.
 - Implemented custom Python retrievers and pre-processors leveraging **REST APIs** to streamline data gathering for our **unified data pipeline**. This process improved data quality for training our ML model.
 - Implemented **Amazon S3** for scalable and secure object storage and **Amazon RDS** for relational databases.
- GastroTrackAI** Sept 2023 - Dec 2023
• *Web Developer - Intern* Ottawa, ON
 - Developed the entire website's front-end using **React**, resulting in a savings of \$149/month from Wix subscription.
 - Using **typescript** and **Material UI**, customized the website theme for better user engagement.
 - Developed **Node.js** (SMTP protocol) for email communication from web users, driving up web traffic by 10%.
 - Enabled transfer of text and images between client and server using nodemailer, enhancing overall communication.
- BVGlazing Systems** Sept 2018 - Sept 2023
• *System Designer - Mechanical* Vaughan, ON
 - Designed, engineered and tested 5+ NAFS code-compliant window systems in **AutoCAD** and **Inventor**.
 - Engineered over 20 interactive 3D models using **VB.Net**, resulting in engaging user simulations.

PROJECTS

- **Rate My Course**
 - A responsive **Django** web application, for students to rate and review over 10,000 uOttawa courses.
 - Integrated **Google Sign-in via OAuth2 API**, fostering user trust and simplifying login experience.
 - Engineered a search feature using **JavaScript**, allowing users to efficiently find relevant courses.
 - Improved data retrieval efficiency by 15% through **PostgreSQL's** optimized relational tables.
- **Community Detection using GNN**
 - Applied GNNs like GCNs and GATs for precise community identification in social networks.
 - Implemented **feature engineering**, GNN model training, and clustering algorithms to identify communities in the given dataset.
 - Optimized performance through hyperparameter tuning and metric evaluation.