Meet Mehta

mehtameet12@gmail.com | (365) 777-4146 | www.linkedin.com/in/mehtameet12 | www.github.com/mehtameet12
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*

TECHNICAL SKILLS

- **Programming Languages**: **Python**, **Java**, Javascript, VB.Net, HTML, CSS
- **Python Libraries::** **TensorFlow**, **PyTorch**, Pandas, **Scikit**, Numpy, MatplotLib, , 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 optimized **big data pipelines** to transform raw commodity data into actionable insights, ensuring high data quality for analytics and cloud storage.
  - Developed frontend components using **Vue.js** and implemented backend features in JavaScript/Django for **SaaS** applications, enhancing user experience and functionality.
  - Implemented scalable deployments using **Docker** and AWS, reducing infrastructure costs.
  - Managed data workflows using **Apache Airflow** to streamline ETL processes in a cloud-based environment.
  - Built custom monitoring solutions using **Datadog** to identify performance bottlenecks and ensure uptime.
  - Implemented custom python scripts leveraging **REST APIs** to streamline data collection for **unified data pipeline**. This process improved data quality for training our ML model.
  - Designed and optimized relational database models using **Django ORM** and SQL, supporting seamless integration with cloud-based systems.
  - Used **Playwright** to write end-to-end test cases.

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.
  - Developed workflows to automate data communication between the client and server using **Node.js** and **TypeScript**.
  - Enabled integration of structured and unstructured data using **Node.js**, contributing to data pipeline efficiency.
  - 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.

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.
  - Optimized data retrieval and ETL processes, achieving a 15% improvement in query performance using **PostgreSQL**.
  - Implemented PostgreSQL **relational tables** for scalable deployment in cloud-based environments.
- **Community Detection using GNN**
  - Processed large-scale social network datasets to identify communities, leveraging distributed data structures for optimized performance.
  - Utilized cloud-based resources to train GNN models, ensuring scalability for Big Data applications.
  - Implemented **feature engineering**, GNN model training, and clustering algorithms to identify communities.
  - Optimized performance through hyperparameter tuning and metric evaluation.