

Meet Mehta

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mehtameet12.github.io/PersonalWebsite

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.
- Worked on setting up and maintaining **CI/CD** pipelines to automate testing, building, and deployment processes, ensuring faster and more reliable updates to applications.
- 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.

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.