

Meet Mehta

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

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

Software Engineer

Jan 2024 - Current

Farm Link Solutions - GrainFox

Ottawa, ON

- Created and refined **big data pipelines** to transform raw commodity data into actionable insights, improving data accuracy by 30% and enabling more informed decision-making.
- Configured and sustained **CI/CD** pipelines to automate testing, building, and deployment processes, reducing deployment times by 50% ensuring faster and more reliable updates to applications.
- Engineered frontend components using **Vue.js** and implemented backend features in JavaScript/Django for **SaaS** applications, enhancing user experience and functionality.
- Deployed scalable solutions using **Docker** and AWS, reducing infrastructure costs by 20%.
- Orchestrated data workflows using **Apache Airflow** to streamline ETL processes reducing processing time by 40%.
- Built custom monitoring solutions using **Datadog** to identify performance bottlenecks and ensure uptime, achieving **99.9% application availability**.
- Crafted custom Python scripts leveraging **REST APIs** to streamline data collection for **unified data pipeline**, improving data **quality by 25%** for training ML models.
- Designed and optimized relational database models using **Django ORM** and SQL, reducing query latency by 15% while supporting seamless integration with cloud systems.

Software Engineer

Sept 2023 - Dec 2023

GastroTrackAI

Ottawa, ON

- Designed entire website's front-end using **React**, resulting in a savings of \$149/month from Wix subscription.
- Constructed workflows to automate communication between the client and server using **Node.js** and **TypeScript**.
- Facilitated integration of structured and unstructured data using **Node.js**, contributing to data pipeline efficiency.
- Leveraged **TypeScript** and **Material UI** to tailor the website theme for better user engagement.
- Developed **Node.js** (SMTP protocol) for email communication from web users, driving up web traffic by 10%.
- Streamlined the transfer of text and images between host and user using nodemailer, enhancing overall communication by 50%.

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.
- Streamlined data retrieval and ETL processes, achieving a 15% improvement in query performance using **PostgreSQL**.
- Constructed **PostgreSQL** relational tables tailored for scalability in cloud-based environments, reducing query execution time by an average of 30 seconds per request.

Community Detection using GNN

- Processed large-scale social network datasets to identify communities, leveraging distributed data structures for best performance.
- Utilized cloud-based resources to train GNN models, ensuring scalability for Big Data applications.
- Executed **feature engineering**, GNN model training, and clustering algorithms to identify communities.
- Enhanced performance through hyperparameter tuning and metric evaluation.