

Meet Mehta

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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

- **Relevant Courses:** Design and Analysis of Algorithms, Comp Architecture, Database, Analysis and Design of UI, Software Engineering, OOP

TECHNICAL SKILLS

Programming Languages: Python, Java, Javascript, SQL, VB.Net

Frontend: Material UI, React.js, Vue.js, HTML, CSS

Backend: Node.js, API Development, Django.

Databases: MySQL, PostgreSQL, MongoDB.

Development Tools: Docker, Datadog, Apache Airflow, Bash, AWS, Selenium, Google OAuth2 API, PowerBI.

Version Control and AGILE: GitHub, Jira.

EXPERIENCE

Software Engineer - Data

Jan 2024 - Current

Farm Link Solutions - GrainFox

Remote, Canada

Software Development

Tech Stack: Javascript (Vue), PostgreSQL, Python

- Engineered frontend components using **Vue.js** and implemented backend features in JavaScript/Django for **SaaS** applications, enhancing user experience and functionality.
- Crafted custom Python scripts leveraging **REST APIs** to streamline data collection for **unified data pipeline**, improving data **quality by 25%** for training ML models.

Data

Tech Stack: Python, PostgreSQL

- 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.
- Orchestrated data workflows using **Apache Airflow** to streamline ETL processes reducing processing time **by 40%**.
- Designed and optimized relational database models using **Django ORM** and SQL, reducing query latency by 15% while supporting seamless integration with cloud systems.

Infrastructure Management & Deployment

Tech Used: Docker, DataDog

- 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.
- Deployed scalable solutions using **Docker** and AWS, reducing infrastructure costs by 20%.
- Built custom monitoring solutions using **Datadog** to identify performance bottlenecks and ensure uptime, achieving **99.9% application availability**.

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.
- Leveraged **TypeScript** and **Material UI** to tailor the website theme for better user experience.
- Developed **Node.js** (SMTP) based solution for promotional email communications, driving up web traffic by 10%.

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.
- 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.
- Executed **feature engineering**, GNN model training, and clustering algorithms to identify communities.
- Enhanced performance through hyperparameter tuning and metric evaluation.