

Samyak Mehta

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EDUCATION

University of Toronto

September 2019 - Present

Honours Bachelor of Science, Computer Science (co-op), Major in Statistics

CGPA: **3.66** / 4.0

Awards: Deans List of Academic Excellence (Nov 2019, Sept 2020)

Teaching Assistant: Introduction to Programming

Key Courses: Intro to Software Engineering, Software Tools and Systems Programming, Software Design, Design and Analysis of Data Structures, Functional Programming, Introduction to Statistics

SKILLS

Languages: TypeScript, JavaScript, Java, Python, C, HTML, CSS, SQL, Shell Scripting

Tools: Angular, React, MongoDB, Neo4j, Firebase, PostgreSQL, Jira, GitHub, Figma

Concepts: RESTful APIs, Agile methods (Scrum), JUnit Testing

EXPERIENCES

Full Stack Developer

March 2021 - Present

University of Toronto

- Reduced Firebase database calls by **60%** by batch updating existing NoSQL queries
- Leveraged **Google Cloud APIs** to capture, process, and analyze voice input using machine learning
- Developed IELTS training modules using **React** and Styled Components, utilized by **over 400** international university students

Developer

May 2021 – August 2021

FundSERV Inc.

- Automated manual client forms improving efficiency by **20%** through refining catalog items used by **200+** FundSERV members
- Configured virtual machine infrastructures using **SQL** to connect existing internal developer service portals
- Developed **API integrations** using **JavaScript** to transfer confidential client data across numerous platforms including salesforce and ServiceNow

Frontend Developer

January 2021 – May 2021

MEIO (Medical Education Initiative Organization)

- Minimized page load time from **seconds** to **instant** by migrating from old university servers to **GitHub Pages**
- Designed and developed new UI screens using **Figma**, **Bootstrap** and **JQuery** for future organization events
- Facilitated weekly demo meetings using Microsoft Teams, showcasing features to **20+** organization executives

PROJECTS

UImpactify ([Website](#), [GitHub](#))

Angular / MongoDB / Jira / Agile / Express / Node.js

- Developed an eLearning platform using the **MEAN** stack to battle the lack of specialized education in the social purpose sector
- Facilitated daily stand-ups in an Agile Scrum of **7** over **4** sprints while actively maintaining a **REST** software architecture design
- Spearheaded the design and development of user-based access control, creating courses & assessments, uploading student submissions, and user retention surveys

Spotify API Clone ([GitHub](#))

Java / Spring Boot / MongoDB / Neo4j

- Crafted a **microservices** driven **REST API** backend connecting graph and NoSQL databases to mimic Spotify
- **Functionalities:** Favoriting songs, playlist generation, following users and querying songs from followers

Mock Linux Shell ([GitHub](#))

Java / Agile / OOP

- In an Agile Scrum of **3**, built an isolated file system with an object-orientated representation of core shell commands
- Prevented major blockers and code failures by incorporating over **300+** Junit tests with **100%** coverage
- Implemented singleton and interface segregation software design patterns increasing core extensibility and reducing redundancies