

Jayant Mehta

Systems Design Engineering (3.9 GPA) | University of Waterloo
Schulich Leader National Award | Microsoft Certified in Azure

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SKILLS

Languages: C++, Java, Python, JavaScript, SQL, Swift, C#, HTML, CSS, MATLAB

Tools/Tech: Node.js, React, Flask, Django, Git, Perforce, Google Cloud, AWS, Linux, Ruby on Rails, PostgreSQL, MongoDB

About Me: Self-motivated, Team Player, Curious, Quick Learner, Analytical Thinker, Public Speaker, Adaptable

EXPERIENCE

Oracle | Software Developer and SDET Intern

Kitchener, ON | Sep – Dec 2020

- Developed **SQL** database tax engine migrates for over **40,000** global NetSuite users in the United States
- Implemented **C#** feature changes to speed up tagging of server issues in paycheck calculations sent to Ceridian
- Configured database mappings in Microsoft SQL Sever using **Java** functions, reducing development time by **60%**

Canada Revenue Agency | IT Full Stack Developer

Ottawa, ON | Jan – Apr 2020

- Developed auditor case investigation features in **Java** released to over **15,000** users across Canada via **Agile/Scrum**
- Built a microservice vertical slice tool to retrieve user authorizations, reducing search times by **40%** for administrators
- Optimized e-docs data uploading to the backend IBM FileNet server by **70%**, improving upload times from 10s to < 3s
- Investigated and debugged **15+** Jira bugs, wrote JUnit tests, and solved issues such as sorting 20+ tree node types

Design Net Specific | Web Developer

Mississauga, ON | Jul – Aug 2019

- Deployed an enhanced interface via JavaScript, HTML, and CSS, improving UX and reducing bounce rate by **40%**
- Refactored code and designed reusable Vue.js components to accelerate development process by over **50%**
- Implemented routing, tracked work using Git, and rendered a contact form to increase client interactions by **30%**

Microsoft | Student Ambassador (Certified in Azure Fundamentals)

Kitchener, ON | Apr 2020 – Present

- Led an **Azure** AI chatbot tutorial to deploy a Facebook Messenger bot generating revenue for **thousands** of businesses
- Built a learning platform using Ruby on Rails, React.js, and PostgreSQL database deployed to Heroku

PROJECTS

Eyecam Voice Assistant 🔗

Python, OpenCV

- Built an OpenCV computer vision eye camera voice assistant in **Python** to assist visually impaired patients
- Implemented Yolo algorithm object detection in a live video feed outputting activity via natural language processing

Facebook Ads Group Predictor (Facebook AI Hackathon) 🔗

PyTorch, Flask, CUDA, React.js, GCP

- Developed a Google Vision image processing text classifier to predict ad matches to Facebook groups at **93%** accuracy
- Created a Flask and React.js UI to make **PyTorch** inferences from trained machine learning neural networks in Python

Healthline Sentiment Analyzer 🔗

Node.js, Express.js, React.js, MongoDB, Docker

- Designed an API in Python using **Azure** DevOps and CI/CD to decipher user psychological sentiment in blogging
- Deployed a full stack blog to **AWS** using **Node.js**, Express.js, React.js, MongoDB, and Google Firebase Authentication

Biometrics Bicycle Lock (Provincial Winner in DECA Innovation) 🔗

C++, Swift, Arduino

- Programmed an embedded **C++** biometrics Arduino fingerprint sensor and iOS **Swift** app to win top 10 in 60+ teams

EDUCATION

University of Waterloo | (BSc.) Systems Design Engineering – 3.9 GPA

Sep 2019 – Present

Courses: Top 25% in class, **C++** Data Structures and Algorithms (93%), C++ Digital Computation, Human Factors in Design

Leadership: Microsoft Ambassador, Engineering Ambassador, Hack the North Volunteer, Aquadrome Team Developer, SHAD

ACHIVEMENTS

Schulich Leader National Scholarship | University of Toronto Engineering Science 🔗

Apr 2019

99.6% Average | Awarded the prestigious \$100,000 Engineering scholarship given to only **25** students in < **top 1%** in Canada