Jayant Mehta

Systems Design Engineering, University of Waterloo (2nd Year)

jayantmehta.ca

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in/jayant-mehta

(647) 518-5819

SKILLS

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

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

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

EDUCATION

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

Sep 2019 - Apr 2024

Courses: Top 25% in class, C++ Data Structures and Algorithms (93%), C++ Digital Computation, Human Factors in Design Leadership: Microsoft Learn Student Ambassador, Engineering Ambassador, Hack the North Volunteer, SHAD Fellow

EXPERIENCE

Oracle | Software Developer and SDET Intern

Kitchener, ON | Sep 2020 - Present

- Developed SQL migrates for tax engine changes in the United States impacting over 40,000 global organizations
- Configured the backend database to implement new client jurisdictions increasing user coverage for the payroll product
- Implemented Java functions to generate automated Microsoft SQL Server migrates 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 to retrieve user roles and authorizations, reducing search times by 40% for admins
- Optimized e-docs data uploading to the backend IBM FileNet server by 70%, improving upload times from 10s to < 3s
- Implemented sorting of 20+ tree node types, wrote JUnit tests, and utilized Git to track work

Design Net Specific | Web Developer

Mississauga, ON | Jul - Aug 2019

- Constructed a Vue.is landing page to display business services and features using JavaScript, HTML, and CSS
- Refactored code and designed reusable components to accelerate development process by over 50%
- Implemented routing and rendered a contact form to increase client interactions and contacts by 30%

Microsoft | Learn Student Ambassador

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 centre tutorials platform using Ruby on Rails, React.js, and PostgreSQL database deployed to Heroku

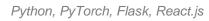
PROJECTS

Eyecam Voice Assistant 🔗

Pvthon, 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 Al Hackathon)



- 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, Python

- Designed a custom 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 8

C++, Arduino

Programmed an embedded biometrics bicycle security alarm with C++, Arduino, and fingerprint sensor

ACHIVEMENTS