

Harsh Patel

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Education

Western University, B.Eng.Sc. Software Engineering

May 2020

- 84.3% Software Engineering GPA.
- Awarded Best Final Year Software Capstone Project across 24 project teams.
- Founding Director, Western AI; organized ML workshops, led promotional marketing initiatives and received recognition as fastest growing club on across 213 clubs.

Experience

Deloitte Digital, Toronto, ON Technology Consultant

May 2018 – Present

- Technical and software architecture lead for Deloitte Qubit: A Data Driven Predictive Modeling Service (SaaS) aiming to acquire and offer valuable data to Canada's largest P&C Insurance leaders. The project is forecasted to produce \$10 million per annum in revenue.
- Software Architecture and Product Lead for a \$200k computer vision powered Esports highlight reel platform reducing content editing time by 75%. Lead the Agile delivery by defining project architecture, coordinating developer tasks as Scrum Master and running code reviews for 3 developers.
- Built a data visualization tool to identify and reduce backend query execution times by 20% for a Top 5 Canadian Insurance provider using Splunk.
- Designed the user experience for Canada's first machine learning-enabled claims transformation web application. The project is forecasted to produce \$1 billion in indemnity savings.
- Led technical and business capability and requirements gathering for a Top 5 Global Retailer. Developed a Python OCR tool identifying 37% overlap in business reports and lead bi-weekly client meetings.

Projects & Awards

Liftr – Ranked Best Software Capstone Project, University of Western Ontario 2019/2020

Developed a software providing users with real-time workout feedback via a mobile and desktop application.

Docker used to containerize the application and deploy to production, MongoDB for document storage, Redis in the cloud to perform live critiquing and React Native for the front end.

Pulse – Best Technical Implementation, EnactusHacks

Designed and implemented system architecture for a mobile application aiming to reduce walk-in clinic wait times and decrease the spread of Covid-19 by allowing users to book appointments and receive live updates.

When We Listen – Best Machine Learning Hack, Hack Western 4

Leveraged Microsoft Azure Text Analytics to identify Twitter users suffering from poor mental health by running NLP and computer vision on tweets and associated images and files.

Technical Skills and Competencies

- Agile Delivery and CI/CD
- Software and Data Architecture
- MEAN Stack
- Databases (SQL, NoSQL)
- AWS Certified Solutions Architect Associate
- Python and libraries for Big Data and ML
- OOP in Python, JavaScript, C++
- Graphic Design and UI/UX