

Jay Patel

Portfolio: <https://jyp2098.github.io/portfolio/>

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EDUCATION

- **Concordia University** Montreal, Quebec, Canada
Master of Applied Computer Science ; GPA: 3.78/4.3 *January 2021 - August 2022*
- **Sardar Vallabhbhai Patel Institute of Technology** Anand, Gujarat, India
Bachelor of Engineering – Computer Engineering ; GPA: 8.83/10 *September 2016 - July 2020*

SKILLS SUMMARY

- **Languages:** Java, HTML, CSS, JavaScript, Python
- **Frameworks:** Node, React, React Native, TensorFlow, Keras,
- **Tools:** Kubernetes, Docker, GIT, MySQL, Visual Studio Code, Expo, Eclipse, Tableau, Anaconda
- **Concepts:** REST APIs, MVC, Data Structures, Web/App Development, Machine Learning
- **Soft Skills:** Written and Verbal Communication, Management skills, Self-Motivated, Leadership,

EXPERIENCE

- **Academic Information Technology Services - IT Service Desk Operator** *January 2022 - Present*
Concordia University
 - **Summary:** Provide academic computing, information services and applications to support teaching, administrative and research activities of students, staff and faculty of Gina Cody School of Engineering and Computer Science
 - **Linux Servers:** Querying Linux servers, SSH tunneling to access internal University's databases to extract information from entire networking system of the University and using the FootPrints ticketing portal to work with user queries.
 - **Networks:** Prepare network jacks, establish remote desktop connections
- **Teaching Assistant for COMP 353 - Databases** *January 2022 - May 2022*
Concordia University
 - **Summary:** Conduct tutorial sessions on MySQL, properties and fundamentals of relational database.
- **Data Science and Business Analytics Intern** *December 2020 - January 2021*
The Sparks Foundation
 - **Summary:** Experience with Machine Learning tasks and algorithms like regression, classification
 - **Predicting sales:** Fine tuned models and create reports to predict sales of a superstore with machine learning libraries like Keras, SciKit and visualization with OpenCV
- **Web developer** *September 2019 - April 2020*
Goods India Carrier
 - **Summary:** Web development with ReactJS
 - **REST APIs:** Implemented RESTful Web Services for several Enterprise applications, worked with JSON as well as YAML files for serialization of data for the company
 - **Continuous Integration:** Implemented CI/CD pipeline to build, test and deploy the website
- **Web developer** *February 2019 - April 2019*
Sardar Vallabhbhai Patel Institute of Technology
 - **Summary:** Web development with framework GatsbyJS
 - **REST APIs:** Implemented REST APIs to connect the website to institution's database
 - **Methodology:** Worked with implementation phase with Agile team for the development process

PROJECTS

- **RISK (Java):** A game similar to Warzone by Hasbro built with Java. Used Java Maven CI/CD pipeline with Github action for build, test and deployment purposes
- **Voice controlled news application (Web Development, AI):** A web application that displays news to the user from audio input. Integration of Alan AI with ReactJS and various calls to APIs depending on the news from various channels.
- **ReactJs with NFT (Web Development, Web 3.0):** A website integrated with web 3.0 capabilities with the world's largest NFT marketplace OpenSea. Used MetaMask to create a wallet with minimal gas fees to build the backend needed for an Ethereum based APP
- **Google clone:** A React web app using Google custom search API to replicate Google Search functionality
- **Self-driving Car with Behavioral Cloning (Machine Learning):** A machine learning project by which human sub cognitive skills can be captured and reproduced in a computer program and used in real world for developing autonomous vehicles. Used tons of libraries like Tensorflow, Keras, OpenCV, Flask, SocketIO

VOLUNTEER EXPERIENCE

- **Head of Registration Desk** *January 2017 - March 2017*
Sardar Vallabhbhai Patel Institute of Technology
 - **Summary:** Managed a team of 20 people for maintaining the database of students coming to the college for the national tech fest. Worked on MS Access and established LAN networks