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**: Docker, Jenkins, Ansible, Kubernetes, GIT, MySQL, Expo, Eclipse, Tableau, Anaconda
- **Concepts**: REST APIs, MVC, Data Structures, Web/App Development, Machine Learning

Experience

- **Academic Information Technology Services - IT Service Desk Operator**
  Concordia University — *January 2022 - Present*
  - **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**
  Concordia University — *January 2022 - May 2022*
  - **Summary**: Conduct tutorial sessions on MySQL, properties and fundamentals of relational database.
- **Data Science and Business Analytics Intern**
  The Sparks Foundation — *December 2020 - January 2021*
  - **Summary**: Experience with Machine Learning tasks and 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**
  Goods India Carrier — *June 2019 - April 2020*
  - **Summary**: Web development with ReactJS and experience with DevOps practices.
  - **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**: Set up AWS Linus EC2 instance to set up a virtual server. Using Git to commit changes on to GitHub and integrating Jenkins to pull the code from GitHub, build with Maven configuration to generate artifacts and deploying to DockerHub by generating docker image from dockerfile. Gained experience with Ansible and Kubernetes
- **Web developer**
  Sardar Vallabhbhai Patel Institute of Technology — *February 2019 - April 2019*
  - **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, est 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 to libraries like Tensorflow, Keras, OpenCV, Flask, SocketIO