

Meet Patel

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Experience

Software Developer Nextech Innovation

Jun 2017 – Jul 2018

- Built **python** application for project demonstration and digital advertisements, promoted growth by 20% resulting in 15% of annual revenue increase.
- Designed and Built embedded software using **C#** to quickly extract and manage the sensor's data, accelerated workflow by 10-15%.

Projects

Movie Box – A movie rental application Freelance

Summer 2020

- Designed and Built a **React JS** application for movie rental service using **Node JS** and **Express JS**.
- Built database in **MongoDB** and implemented features such as user registration/authentication using auth0, secure payment gateway, content search and review-ratings.

Covid-19 Tracker Project

Summer 2020

- Built a **React JS** (Front End) application for visualizing covid-19 data using Material UI, and Charts Js.
- Fetches data from **REST APIs** and visualized them using charts.

Deep Video Super Resolution Lakehead University

Fall 2019 – Summer 2020

- Developed a **Python** web-app for enhanced video super-resolution to reveal blurry details using **OpenCV**.
- Integrated **PyTorch** to accomplish super-resolution using CNN framework with motion compensation.
- The model was trained on 2M 3-frame sequence image training dataset as well as 15k video frames.

Stroke Prediction Lakehead University

Fall 2018 – Winter 2018

- Analyzed healthcare datasets and built a machine learning model for stroke prediction.
- Built **Python** web app and performed logistic regression & decision tree to predict strokes.
- Evaluated our model using performance measurement techniques like ROC – improved and achieved AUC 98.38%.

Skills & Interests

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|-----------------------|--|
| Languages & Framework | : JavaScript, Python, Java, ReactJS, NodeJS, Express JS, C#, HTML5, CSS3, Shell Script |
| Database Skills | : PostgreSQL, MongoDB, JSON |
| AI & Machine learning | : TensorFlow, Keras, OpenCV, Scipy & Numpy (Deep learning and computer vision) |
| Areas | : Git, GitHub, AWS, Agile, CI/CD, Data structures, Linux, Software/Web development |
| Other Skills | : Quick learner, Solve complex problems, Team player, Excellent Communication skills |

Education

Master's in computer science Lakehead University

Sept 2018 – May 2020

Major: Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision

Bachelor's in Computer Engineering Vadodra Institute of Engineering, Gujarat, India.

Jul 2013 – May 2017

Courses: Data Structures & algorithms, OOP, System Design, JAVA, C/C++, C#, Python

Achievement & Awards

TOP 10 PROJECTS OF GUJARAT for “Neuroimaging controlled device” by NASSCOM

Jun 2017

(Led a team to build brainwave-controlled device for disabled person using python machine learning & raspberry pi.)

NATIONAL WINNER of “Chai-Yo: Clean Energy Recharging World” Awarded by Doordarshan

Mar 2016

(Built Eco robot which crosses path containing hills, slopes, highland as well as cruising along river holding wind turbine propeller which will be placed on the top of the wind turbine pole using Hybrid robot.)