

JAY PATEL

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Education:

Master of Science - Computer Science : GPA – 3.88 / 4.00 (2019-2021)
San Diego State University, San Diego, CA, USA

Bachelor of Engineering - Information Technology: CPI – 8.57 / 10.00 (2015-2019)
Gujarat Technological University, Gujarat, India

Skills:

Programming : C, C++, Java, PHP, Python
Machine Learning : Logistic Regression, Linear Regression, KNN, SVM, CNN
Database : MySQL, NoSQL, MongoDB
IDE : Jupyter Notebook, Spyder, Net Beans, VS Code
Web Technologies : HTML, CSS, JavaScript, SASS, Bootstrap, jQuery, RESTful API, GraphQL, XML, WordPress
FrameWorks/Tools : React, Node, Express, NPM, GIT, SVN, Webpack
Learning : AWS, Azure

Internship:

Way To Web | Trainee Engineer Ahmedabad, IND(2019)

- Learned Practical implementation of PHP for developing websites. Also learned how to develop Dynamic Live Websites and E-Commerce Websites.
- Using the Wordpress and Content Management System to make updates to the site.

Academic Projects:

SpreadSheet | Design Patterns – Memento, Observer, Interpreter Design Pattern

- Implemented spreadsheet that can evaluate postfix mathematical expression using Interpreter Design Pattern, also removed circular dependency between cells.
- Implemented UNDO using Memento Design Pattern, and using Observer Pattern added functionality for updating dependent cells at a time.

Pull Request Predictor | Logistic Regression, SVM, Neural Network, Python, Matplotlib

- Pull Request Predictor is machine learning model that predicts whether a pull request will get merged into the master branch or not.
- Achieved accuracy of 80%, 93% and 95% using Logistic Regression, SVM and Neural Network respectively,

Ship Detection from Satellite Images | Tensorflow, Scikit-learn, CNN, SVM, Pandas, Matplotlib, Python

- Executed feature extraction using Histogram of Oriented Gradients (HOG) technique.
- Designed and developed model using 3 different algorithms CNN, VGG16 and SVM.
- Analyzed and optimized machine learning models using hyper parameter tuning with 100% recall.