

Dhruvil Shah

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Education

San Jose State University

Master of Science in Software Engineering

CALIFORNIA, UNITED STATES

Expected - December '18

Dhirubhai Ambani Institute of Information and Communication Technology

Bachelor of Technology in Computer Science

GUJARAT, INDIA

Graduated - May '16

Academic Projects

Yelp Data Mining Challenge (Python — Jupyter Notebook — L2AP — LSH — K-Means)

FALL '17

- Perform K-Means clustering, text mining analytics using K- nearest neighbor classification for finding best locality to start specific business.
- Develop and Compare different NN classifiers (LSH,L2AP) using Python , Numpy and Stemmer2Porter.

Artificial Neural Network (Python — Jupyter Notebook — TensorFlow — Dropout)

FALL '17

- Improved the accuracy of MNIST model to 98% using multi-layer Artificial Neural Network.
- Used Different activation functions like : Sigmoid, Relu and Tanh and applied Dropout functions for improving the accuracy.

Movie Review Classification (Python — Jupyter Notebook — K-means Clustering)

SPRING '17

- Analyzed labels (+ 1 or -1) for the movie reviews in the training data set of 25000 rows.
- Implemented CSR matrix and K nearest neighbour algorithm and applied the results on the testing data set of 25000 rows and achieved an accuracy of 85%.

Shopping App (Python — Flask — GCM — AWS EC2 — MySQL)

SPRING '17

- Applied data mining techniques like K-means algorithm and multivariate Linear Regression on the data-set to compute the number of days the groceries will last.
- Integrated GCM (Google Cloud Messaging) for push notifications and hosted the application on AWS EC2.
- Achieved an accuracy of 80% on the testing data and tested this application with 500 users.

Skills

- Core Competencies: Data Structures, Algorithms, Data Mining, Machine Learning, Deep Learning
- Programming Languages: Java, Python, JavaScript
- Other: Jupyter Notebook, Naive Bayes Classifier, K-nearest neighbors, TensorFlow, Classification, Regression, Clustering

Experience

Experience

Green Ninja

CALIFORNIA, UNITED STATES

Software Developer Intern

June '17 – August '17

- Migrated the old website in WordPress to ExpressJS and deployed the website on Amazon Elastic Beanstalk
- Designed pixel perfect and responsive front-end pages of the website in ReactJS and Bootstrap.
- Created an easy-to-use automation tool for creating and uploading elementary school lessons.
- Created a bash script for backing up databases and notifying admins if server goes down.

Usrazor

CALIFORNIA, UNITED STATES

Freelance Web Developer

February '17 – April '17

- Voluntarily developed an efficient and user-friendly e-commerce website for the company using Spring Boot in Java.
- Developed an efficient search engine for the website for fetching the products based on the user inputs.
- Designed user friendly interface in Bootstrap and banners in Adobe Photoshop CS6.

Zersey

HARYANA, INDIA

Software Developer Intern

January '16 – December '16

- Developed website using CodeIgniter Framework in PHP and used bootstrap and Material Design for front-end.
- Involved in developing APIs for fetching the photo stories and editorials of the users, integrated the Login APIs of Facebook and Google and integrated the SMS API for sending One Time Password(OTP) to the mobile phone.
- Involved in Integration and testing of the modules using PHPUnit and Selenium WebDriver.

Achievements

- My team named "IdeaPreneurs" was finalists (in the top 10 teams) amongst 50 teams at LinkedIn's "Intern Hackathon 2017".