Dhrumil Shah

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Education

San Jose State University — California, United States
Master of Science in Software Engineering — Expected - Dec '18

Dhirubhai Ambani Institute of Informatiomn and Communication Technology — Gujarat, India
Bachelor of Technology in Information and Communication Technology — Graduated - May '16

Experience

Green Ninja — California, United States
Software Developer Intern — Jun '17 – Aug '17
- Migrated the old website in WordPress to ExpressJS and deployed the website on Amazon Elastic Beanstalk and designed pixel perfect and responsive front-end pages of the website in ReactJS and Bootstrap.
- Created an automation tool which eases the task of curriculum developers of creating and uploading the lessons which are used by the elementary school teachers to teach students.
- Created a bash script for backing up the database and notifies the admin if server goes down.
- NodeJS — ReactJS — ExpressJS — Bootstrap — MySQL — Shell Script — Git — AWS — WordPress — PHP

USrazor — California, United States
Freelance Web Developer — Feb '17 – Apr '17
- Voluntarily developed an efficient and user-friendly e-commerce website for the company using Spring Boot Framework in Java.
- Developed a highly efficient search engine for fetching the products based on the user inputs.
- Java — Spring Boot — Bootstrap — MySQL — Git — REST Services

Zersey — Haryana, India
Software Developer Intern — Jan '16 – Dec '16
- Builed website using CodeIgniter Framework in PHP and used bootstrap and Google Material Design for front-end.
- Developed 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.
- PHP — CodeIgniter — MySQL — Bootstrap — Google Materials — REST Services

Academic Projects

Distributed Chat System **(Java — Protobuf — Netty — MySQL — Redis)** — Fall '17
- Design & Develop scalable, loosely coupled, resilient distributed chat system, capable of handling multiple concurrent requests.
- Develop consensus algorithm for using Raft leader election strategy and Consistent Hashing for sharding and replication of messages using Protobuf, Java, Netty.

Artificial Neural Network **(Python — Jupyter Notebook — TensorFlow — Dropout)** — Fall '17
- Improved the accuracy of MNIST model from 50% - 98% using multi-layer Artificial Neural Network.
- Used Different activation functions like : sigmoid, Relu and Tanh and applied Dropout functions for improving the accuracy.

UMLParser **(Java — JavaParser — Plantuml)** — Spring '17
- Implemented a Java app, which takes an input as Java classes and converts them into the UML Class Diagram.
- Built a functionality which exports diagrams to an image file. Agile methodologies and Kanban Board are used.

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 took feedback and reviews from 200 users.

Skills

- Core Competencies: Data Structures, Algorithms, Operating Systems, Software Engineering
- Programming Languages: Java, Python, JavaScript (mainly jQuery and ReactJS), PHP, Shell Script
- Web Technologies and databases: NodeJs, ReactJS, Spring Boot, Bootstrap, REST services, Flask, AWS, IBM BlueMix, MySQL, Redis
- Other: Jupyter Notebook, Maven, Babel, Webpack , Grunt, Adobe Photoshop CS6, Sublime Text, Git,Spyder

Achievements

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