Dhrumil Shah

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Education

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

Dhirubhai Ambani Institute of Informatiomn and Communication Technology	Gujarat, India
Bachelor of Technology in Computer Science	*Graduated - May '16*

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.

Academic Projects

Distributed Chat System **(Java — Protobuf — Netty — MySQL — MongoDB — Redis)** — Fall '17
- Designed & Developed scalable, loosely coupled, resilient distributed chat system, capable of handling multiple concurrent requests.
- Developed 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 to 98% using multi-layer Artificial Neural Network.
- Used Different activation functions like Sigmoid, Relu, Tanh and applied Dropout functions for improving the accuracy.

UMLParser **(Java — Javaparser — PlantUML)** — Spring '17
- Developed Java based UML Parser tool which convert Java file to appropriate Class diagram.
- Implemented using PlantUML and Java Parser, Followed Agile Methodology and Kanban board to maintain project management tasks.

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, Operating Systems, Software Engineering
- Programming Languages: Java, Python, JavaScript (mainly jQuery and ReactJS), PHP, Shell Script, LESS, SASS
- Web Technologies: HTML5, CSS3, XML, REST, NodeJs, ReactJS, Spring Boot, Bootstrap, Flask, Google Material Design
- Cloud and databases: AWS, IBM Bluemix, MySql, MongoDB
- Other: Jupyter Notebook, Maven, Babel, Webpack , Adobe Photoshop CS6, Sublime Text, Git, PHPUnit, Selenium

Achievements

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