Abhishek Pandey

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EDUCATION

Masters in Computer Science
University of Southern California
Aug 2017 - Present   *Graduation - May 2019*

Bachelor in Computer Engineering   3.85
University of Mumbai
Aug 2014 - Jun 2017   *Graduation - Jun 2017*

SKILLS

Programming Languages: Java(Proficient), C++, C#, Python
Databases: MySQL, SQL Express
Web: JavaScript, PHP, AngularJS, ReactJS, jQuery
Frameworks: Spring Boot(Java), Laravel(PHP)
Version/Dependency Control: Git, Bitbucket, Maven
Software Tools: Eclipse, NetBeans, PyCharm

INTERNSHIP

Web Developer Intern

Grubme
Oct'16 -Jan'17   *Mumbai, India*
Owner Dashboard Panel
JavaScript, PHP(Laravel), ReactJS, MySQL

- Built the restaurant owner dashboard panel using MVC based Laravel framework.
- Rendered order panel using ReactJS to update DOM in real-time after each new order added in the database.
- Used Google Maps API to display markers on map dynamically based on restaurant timings and the user current location to display nearby open restaurants.
- Developed the project with Agile software development approach.

ACHIEVEMENTS and INVOLVEMENT

Winner in Paper-Presentation on Cloud-Computing

- Presented a paper on models of cloud services (PaaS, SaaS, IaaS).
- Winner in 25 teams in a state level event held by Indian Society for Technical Education.

Amazon Web Services Essential Training

- Successfully completed the AWS Essentials training. Learnt about best practices of cloud, designing scalable cloud based applications and services by AWS.

CodeChef- Snackdown Round 2

- Ranked amongst top 20% of students all over India in coding competition organized by CodeChef.

Teaching Assistant, Akanksha foundation (NGO)

- Taught in an NGO for 1.5 years and lead various activities (Recommendation from School Principal).

PROJECTS

Fuzzy approach based classification using NLP
Java, FCL (Fuzzy Control Logic), MySQL

- Augmented TF-IDF based algorithm with a Trapezoidal Fuzzy classifier to improve accuracy of classification.
- Improved the TF-IDF based algorithm to also consider for semantic meaning of words in the documents.
- Used Stanford NLP POS tagger to classify document words in nouns, verbs and adjectives.
- Stored words with frequency in a HashMap for quick retrieval, and retrieved Fuzzy values from classifier.
- Coordinated and facilitated tasks to the team and improved the classification by 40% being the group leader.

Restful API Service
Java 8, Spring Boot, Apache Derby, Maven, Tomcat

- Implemented a MVC based restful HTTP API service.
- Used the maven dependency manager and Apache Tomcat in Spring Tool Suite IDE(STS).
- Used an embedded database (Apache Derby) in to store and fetch data from API calls.
- Supported ORM (Object Relational Mapping) functionality for quick mapping of class data to the database in the application using Spring data JPA.
- Implemented filters using Java 8 streams to extract required data from database.

Stock Tracker Web Application
JavaScript, jQuery, PHP, AngularJS, REST API, AWS

- Hosted PHP script file on AWS Elastic BeanStalk.
- Implemented AutoComplete list in AngularJS by querying the hosted script file in real time.
- Used AlphaVantage API, MarkitOnDemand API to fetch stock time series data. Parsed JSON, XML data in JavaScript to extract and display required fields.
- Used jQuery to make asynchronous AJAX calls to improve response time.

Multi-user Chat Application- http://bit.ly/2F0tDtP
Node.js, Firebase

- Developed a responsive web application for multiple users to chat and share photos in real time.
- Used the Firebase Real-time Database and Cloud Storage to sync data across various devices using the application.
- Authenticated users by providing an option to sign in through google using Firebase Auth.
- Deployed web application using firebase static hosting.
- Used Firebase Cloud Messaging to send notifications in real time to the connected users.