DEEP SHAILESH MEHTA

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EDUCATION

Masters, Computer Software Engineering, GPA: 3.90, ***San Jose State University*** **Expected May 2016**

Bachelors, Engineering in Information Technology, **GPA: 3.81** **June 2013**

Silver Oak College of Engineering & Technology, India

SKILLS & TECHNOLOGIES

PROGRAMMING LANGUAGES	C, C++, Java, NodeJS, REST, GIT, Scala, Spring-boot, Google Protobuf, Netty.io, Ptyhon
MOBILE TECHNOLOGIES	PhoneGap, Android, JQuery Mobile, Web Apps, iOS
FRONT-END TECHNOLOGIES	HTML5, CSS3, JavaScript, JQuery, AJAX, JSON, Web Services (REST), Google Maps JS & Doamin API, Facebook JS API, OAuth2.0, AngularJS
BIG DATA TECHNOLOGIES	Hadoop, MAP-R, Apache Spark Streaming, MLLib, Hive, HBase, Oozie, Kafka, Flume
DATABASES	MySQL, SQL Server, NoSQL MongoDB
TOOLS	Eclipse, Intellij, Android Studio, NetBeans, Visual Studio, Adobe Photoshop, Adobe Dreamweaver, Aptana Studio, Microsoft Visio, Ant, Maven, Gradle
OPERATING SYSTEMS:	Windows, Linux, Unix, Android, Mac OS X

EXPERIENCE

Mobile Application Developer Intern, *Heat Software* **June to August 2015**

- Independently developed Android, iOS, Windows App which provided millions of client access to HEAT Cloud SaaS on their mobile devices with Real-Time push notifications from GCM, APNs, WPNs integration and updates.

Mobile Application Developer, ***Attensa Software, India*** **February to June 2014**

- Design and develop cross-platform mobile applications for leading Mobile OS using PhoneGap/Cordova, HTML5, JQuery, JavaScript, and Google Maps

ACADEMIC PROJECTS

Connecting OutPatient using IoT, ***San Jose State University*** **Fall 2015 to Present**

- Developing smart IoT devices with Real-Time health monitoring with quick response of emergency services and also remotely guiding outpatient with doctor's instructions along with emergency alerts
- Technologies: IoT, Hadoop, Hive, Machine Learning, Java, NodeJS, Android, iOS, Angular JS

Meetup Stream Analysis **Fall 2015**

- Successfully build Lambda Architecture based real time streaming analysis, sentimental analysis system deployed on Amazon AWS
- Analyzed streaming data from meetup based on RSVP, Events, Events comments to provide real-time updates of number of events trending based on State, Country visualized them on google maps. Sentimental analysis on comments to classify event comments into good, neutral, bad which helps event organizers and users to judge event
- Technologies: Spark Streaming, Kafka, HBase, Hive, NodeJS, MapR, Mapr Hbase Rest, Google Maps

Business Success Recommendation based on Yelp Dataset **Fall 2015**

- Used Yelp Business, User, Check-in, Review, tips data set to provide classified business and user recommendation.
- Implemented business establishment recommendation based on type of business, location and local competitors with Jaccard Distance, collaborative filtering and regression. User based recommendation based on KNN classifier algorithm
- Technologies: Java Spring MVC, HTML5, Material Design, AJAX, D3 JS, Rickshaw Charts, Google Maps

Distributed File System (Snapchat-Tish), ***San Jose State University*** **Spring 2015**

- Successfully build highly available, consistent and scalable distributed system with the Proactor pattern using -multi-threaded and asynchronous programming and processed 10K image files in 98 seconds
- Implemented RAFT consensus Algorithm for leader election, log replication and fault tolerance
- Technologies: Java, Google protobuf, Netty APIs

Platform As A Service: PaaS, ***San Jose State University*** **Fall 2014**

- Created, developed UI for PaaS with full featured online IDE with code suggestion, error and syntax tips
- Developed a multi-cluster NodeJS based web hosting application
- Implemented features such as creating free sub-domain per application, a basic template for a user to work upon, real time online compilation, listing directories and subdirectories recursively
- Technologies: NodeJS, REST Web Services, Amazon AWS (Route 32, EC2), MongoDB, EJS, JQuery

Share It! iOS Application, *San Jose State University* **Spring 2015**

- Login with Facebook or user app as a guest user, create Albums upload photos and share with your friends, User can manage their albums, delete, share, search based on Mata-Data, Location, Album/Photo Name
- Independently developed NodeJS Rest APIs and integrating them to Amazon S3 where user photos were stored. Provide users with a unique shareable link
- Technologies: iOS Objective-C, Facebook SDK, NodeJS, MongoDB, Amazon AWS and S3

Google Plus Mini Android Application, San Jose State University **Spring 2015**

- Independently developed Android Application which allows user to login using their Google Account to view his/her profile, circles and friends by integrating with Google Plus (G+) Domain APIs
- Authentication using G+ Domain APIs through OAuth 2.0 authorization. Accessing profile, circle and friend's endpoint retrieve respective information
- Technologies: Android SDK, Google Plus (G+) Domain APIs, Google Plus OAuth 2.0