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# EDUCATION

**Master of Science in Software Engineering Expected Graduation:** Dec'17

San Jose State University, San Jose, CA, USA GPA:3.8/4.0

# Bachelor of Engineering in Computer Engineering May’14

Gujarat Technological University, Ahmedabad, GJ, India GPA: 3.45/4.0

**Relevant Coursework:** Data and file structure, Algorithm design and analysis, Web and data mining, Enterprise distributed systems, Adv. Computer network, Enterprise application development, Object oriented analysis and design.

**TECHNICAL SKILLS**

Programming Languages: NodeJS, PHP, Java, C, Python (Basic)

Operating System: Linux, Mac, Windows (all versions)

Databases/Middleware: MySQL, MongoDB, RethinkDB, IBM DB2, SQLite, Redis, RabbitMQ

Web Technologies: AngularJS, HTML5, CSS3, JavaScript, Jquery, Netty, ProtoBuf, AJAX, XML, JSON, Bootstrap

Test Frameworks and Tools: Selenium, JMeter, Mocha, GIT, Android Studio, Sublime, Eclipse, Workbench, IBM Bluemix

# WORK EXPERIENCE

**Web Developer at** [**eZee Technosys Pvt. Ltd**](http://www.ezeetechnosys.com/)**. Surat, India** June'14 to Dec'14

**eZee Absolute - Online Hotel Management System Project website: -** [**eZee Absolute**](http://www.ezeeabsolute.com/)

* Developed logic to fetch signed agreement policy pdf from email using IMAP function from customers. Reconstructed parking lot allotment system based on selected suites.
* Implemented system in [Delsuites.com](http://www.delsuites.com/) to automate email alerts to the customers like pre-arrival, welcome, reminder, feedback email using Cron job.

***Technologies***: PHP Prado Framework, MySQL, Jquery, CSS, Bootstrap, REST API, JSON

# ACADEMIC PROJECTS

**Fluffy GitHub Link: -** [**Fluffy**](https://github.com/shahaashay21/Fluffy)

* Built a FileEdge architecture which has massive file transfer processes (with data chunking), distributed image storage and real-time monitoring of work and data as they enter the network of servers (Inter or Intra-cluster).
* Designed and developed a work-stealing algorithm, integrated Raft consensus algorithm, managed network failure and recovery with data replication.

***Technologies***: Java, Netty Framework, Raft consensus, Google ProtoBuf, RethinkDB.

**Amazon Fresh Prototype (Team Leader) GitHub Link: -** [**Amazon**](https://github.com/shahaashay21/Amazon)

* Led a team of five to develop marketplace which is a replica of amazon fresh market with all its functionalities.
* Managed 10,000 products, 10,000 customers and 100,000 billing records to the system and created performance graph with/without RabbitMQ and Redis (On search suggestion) using JMeter and Mocha.

***Technologies***: NodeJS, MongoDB, MySQL, AngularJS RabbitMQ(MOM), Redis (In-Memory Cache and Message Broker), Passport (Authentication Middleware).

**Beacon@Airport (Team Leader) GitHub Link: -** [**AirportBeacon**](https://github.com/shahaashay21/AirportBeacon)

* Airport Beacon is IoT based android application and web service. When a user enters into proximity of beacons, s/he will be getting notifications and the application provides online boarding pass by passenger’s PNR number.
* Developed an android application which sends notifications like which path to take and which path to avoid in case of a virus outbreak or terrorist threats.

***Technologies***: Gimbal Beacon, Android, NodeJS, MongoDB, AngularJS, IBM Bluemix, Amazon AWS.

**Twitter Replica GitHub Link: -** [**Twitter**](https://github.com/shahaashay21/twitter-mongo)

* Developed twitter replica which involves some of the functionalities like tweet, follow, unfollow, like, retweet etc.
* Tested with/without connection pooling using JMeter and Mocha for different versions of the application.
* Three versions: NodeJS + MySQL | MEAN stack with RabbitMQ | SOAP web service using JAX-WS

***Technologies***: Java, NodeJS, MongoDB, MySQL, RabbitMQ, AngularJS, Heroku

# PERSONAL PROJECT

**FoodFire (Mobile Friendly -- Responsive) Project website: -** [**FoodFire.In**](http://www.foodfire.in/)

* Designed and developed complete (Front/Back end) website of online food ordering system with different features like user’s recent activity using SSE, front end restaurant sorting, autocomplete on restaurants etc. ***Technologies***: PHP Laravel Framework, MySQL, JavaScript, HTML SSE, Jquery, Bootstrap, Cron Job, GoDaddy.

**Opportunity Hack (Hackathon, organized by PayPal, IBM and SVCC):** Designed an algorithm to provide suggestions of labors based on 19 rules, provided by NGO (SF Day Labor Program and Women Collective) and employer requirements.