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Education

Masters in Computer Software Engineering at San Jose State University, San Jose, California

2016-2018

Bachelor of Computer Engineering at University of Mumbai, India

2011-2014

Skills

Programming Languages: Java, Python(Beginner)

Web Technologies: Node.JS, Angular.JS, JavaScript

Libraries and Frameworks: REST, Rabbit-MQ, Express, Bootstrap

Databases: MongoDB, MySQL, Oracle 10g, DB2

Testing: J-Unit, Mocha, J-meter

Collaboration: GitHub, Waffle-IO, Scrum, Kanban

Work Experience

Company: Atos

(21 months) Oct 2014- June 2016

- Network Fault Management using IBM Tivoli Netcool (Omnibus/Impact).
- Development of Front End Design using JavaScript, HTML5.
- Integration of Netcool with Service-Now for automatic generation of trouble tickets on fault alarms.
- Developed Unix shell scripts for monitoring the system logs and the database.
- Handled the migration of NetAct probes from version NA5.5 to NA15. Implemented alarm flood detection mechanism in probes. Implemented Triggers and Procedures to control the fault alarms.

Academic Projects

Enterprise Distributed System: Prototype of EBay(link : <https://goo.gl/h7lvGb>)

Aug-16 - Sep-16

- Wrote a web app for online retailing and auction of the products using SOAP Web Services.
- Implemented connection pooling for MySQL in Node, for improving the response time by 10% , by eliminating the connection creation time for every request.
- **Technology stack:** NodeJS, AngularJS, MySQL, Express, JMeter, Bootstrap, Java, XML, SOAP, Web Services

Data Analytics and Spark: AgroAI (link : <https://goo.gl/NohuoQ>)

Aug-16 - Dec-16

- Developed machine learning models for answering farmer's questions based on the soil health data provided by United States Department of Agriculture.
- Provide crop suggestions for selected county. Predict irrigation needs of a particular county.
- **Technology Stack:** Python-flask, Pandas, IBM Bluemix, Bootstrap

Enterprise Distributed System: Prototype of Airbnb(link : <https://goo.gl/lV6i5N>)

Sep-16 - Dec-16

- Designed a single page peer-to-peer online marketplace and homestay network that can enable users to list or rent short-term lodging in residential properties.
- Improved the response time of page by 7% by using Rabbit Message Queues.
- **Technology stack:** NodeJS, AngularJS, MongoDB, Express, Rabbit-MQ, Mocha, JMeter, UploadCare API, Google Maps API, HighCharts API, Redis Caching,

2D Game using Software Design Patterns and agile methodology (<https://goo.gl/QiSGmg>)

Aug 16 – Dec-16

- Designed quiz game in Greenfoot API for children under 15 to help them learn cryptography and sorting.
- Implemented of decorator, state, observer and adaptor Design Patterns in the game.
- Developed the game following Agile methodology with Kanban and Scrum.
- **Technology Stack:** Greenfoot API, Java, Restlet API

RFID based Toll Collection System

Jan -14 – June-14

- Implemented the toll collection system using RFID.
- Developed the model for avoiding queues on the bridge for toll collection.
- **Technology Stack:** MySQL, PHP, Apache Server, Arduino Programming, RFID scanner and tags.

Research Papers

- Published a comparative study of RFID, QR-Code and Barcode in in (IJCTA) International Journal of Computer Technology and Applications, Volume 4 Issue 5, Sep-Oct 2013. (link : <https://goo.gl/ZiMb1f>)
- Published a research paper RFID Based Toll Collection System in the International Journal of Computer Science and Information Technologies (IJCSIT) – Volume 5 Issue 2- 2014. (link: <https://goo.gl/nwqZ1J>)