

# Salmaan Pehlari

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## OBJECTIVE

Software Engineering graduate student, seeking internship opportunities for summer 2017.

## EDUCATION

San Jose State University

May 2018 (Expected)

*M.S. Software Engineering, 4.0 GPA*

Coursework: Software Systems, Distributed Enterprise Systems, Cloud & Virtualization, Web & Data Mining.

Gujarat Technological University, India

June 2015

*B.E. Computer Engineering, 3.3 GPA*

## EXPERIENCE

**Tata Consultancy Services** - Gandhinagar, India

December 2015 - July 2016

*Assistant Systems Engineer - Trainee*

- Worked on SAP MM module enhancements for a Fortune 500 healthcare services company. Achieved seamless update from EHP-4 to EHP-6 by resolving conflicts and implementing OSS Notes.
- Rated 5/5 during Initial Learning Program for SAP ABAP and Core Java.

**Cad Lab, Indian Institute of Science**, Bangalore, India

June 2014 - July 2014

*Intern*

- Worked with research students building a compiler for their in house CGRA - REDEFINE.
- Used LLVM and Intel CnC framework to manage context memory allocation for schedulable entities.

## ACADEMIC PROJECTS

**Fast News** (<http://www.fastnews.me>)

January 2017

*Technologies: Node.js, AngularJS, Python, Redis, MongoDB, AWS, HTML/CSS, Bootstrap, Machine Learning*

- Created a lightweight web application which aggregates popular news articles from the web and presented concise summaries in a minimalist user interface. Took extreme consideration of user experience and built a decoupled API server to work with any platform.
- Used machine learning algorithms like K-Nearest Neighbors, TF-IDF values to generate summaries for the news articles. Widely appreciated on HackerNews and Reddit, handled 10K users within days of launching.

**Airbnb Prototype** ([https://github.com/SalmaanP/Airbnb\\_Prototype](https://github.com/SalmaanP/Airbnb_Prototype))

December 2016

*Technologies: MongoDB, Node.js, AngularJS, Redis, ELK stack, D3.js, HighCharts, RabbitMQ, Mocha.js, JMeter*

- Developed a distributed 3-tier application in a team using REST architecture to offer all functions of Airbnb for renting homes. Implemented a dynamic pricing algorithm for user properties.
- Achieved high performance while supporting 10,000 hosts, 10,000 users and 100,000 billing records. Implemented analytics and visualization modules for users, hosts and administrators.

**Genus** (<https://github.com/SalmaanP/CMPE202-Team17>)

November 2016

*Technologies: Java, Greenfoot, MySQL, AWS*

- Built a 2D multiplayer game meant for kids learning computer science concepts as a csunplugged.org activity.
- Presented the game at an elementary school and was judged as a featured project out of 25 other class projects. Used agile methodology and implemented software design patterns for code modularity and reusability.

**eBay Replica** (<https://github.com/SalmaanP/Ebay-Prototypes>)

October 2016

*Technologies: MongoDB, Node.js, AngularJS, RabbitMQ, Mocha.js, JMeter*

- Built an e-commerce application using MEAN stack which included all functionalities of eBay.
- Improved performance of the application by 12-15% by implementing a connection pooling algorithm.

## TECHNICAL SKILLS

Programming: C, Java, JavaScript, Python

Database Systems / Middleware: MySQL, MongoDB, RabbitMQ, Redis

Web Technologies: Node.js, AngularJS, Express, Mocha, HTML/CSS, Bootstrap, Restful Services, AWS

Software Design: UML 2.0, Design Patterns, Waterfall, Agile, Scrum, Kanban