

## Education

### School

San Jose State University

### Bachelors of Science

Computer Science (3.3 / 4.0)

### Graduation

Dec, 2017

## Work Experience

### Software Engineer

InfoSys

March, 2018 - Current

**Developed Enterprise Web App to handle complaint system of entire Company (SAPUi5, Javascript, Odata, MVC)**

- Handled operation based on User role, for example admin vs basic user.
- Validate data on Client side.
- Optimized existing code for fast user response time.
- Successfully deployed the application for production using SAP MII.

### Software Engineer Intern

Western Digital (San Jose)

June, 2017 - August, 2017

**Developed full-stack application** for automating P-value calculation and alerting inspectors via email (**R, PHP, MYSQL, HTML, Javascript** and **Apache Tomcat**)

- Developed analytical dashboard to help monitor P-value for vendor data in real time.
- Wrote multiple parsing scripts for wrangling excel sheet data and storing it in MySQL.
- Automated P-value calculation using One-Way Anova Analysis in R.
- Successfully deployed the application for production using Apache Tomcat.
- Integrated application with Fusion charts and Highchart for visualizing data in real time.
- Decreased calculation time for P-value by 95% by automating data parsing and by optimizing queries.

## Skills

**Languages:** C, C++, JAVA, MySQL, Python, JavaScript, PHP, Perl, HTML, SAP ABAP, NOSQL

**Others:** Data Structure, Distribution System, Docker, Object Oriented Design, REST, MVC Modeling, MySQL Database, DB2 Database, Multithreading, Android Development, Linux, Git, Django, SAPUi5, BI, HANA Database.

## Projects

**Banking System (Group project) JAVA, MySQL, JAVA Swing, Spring framework, REST API, JDBC, MVC**

- **Functionality:** Create account, search customer's, deposit, withdraw and transfer.
- **Multi Thread and Thread Safe** application for money transactions.

**Personal Search engine (Group project) C++**

- Build text document based personal **Search Engine** (search with any keyword).
- Console based output application (Output in meaningful short paragraph).
- Implemented **Search** algorithm based on keyword frequency, popular documents, document frequency.
- Project available at [https://github.com/moneysingh1991/cs144FinalProject\\_git](https://github.com/moneysingh1991/cs144FinalProject_git)

**Grocery shopping Website (Major Group Project) Django, Python, MySQL, Javascript, Google Maps API**

- Implemented user authentication feature using token.
- Created procedure in SQL Database.
- Grocery delivery by drone and real time drone tracking using **Google Map API**.
- Project available at <https://github.com/SaajanBariana/GroceryStoreDroneDelivery>

**Home Automation Android App (Individual Fun Project) Java, Spring framework, REST API, MySQL, Tomcat, Linux**

- **Android App** to control Home Electronic switch.
- **Automate** home light with time and control from a APP.
- Multithreaded application to run background process on APP and Server.
- **Accomplished** : Learned about sleep Pattern and electricity saving.