

# Maninderpal Singh

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<https://github.com/moneysingh1991>

## Education

School	Bachelors of Science	GPA	Graduation:
San Jose State University	Computer Science	3.3 / 4.0	Dec, 2017

## Work Experience

**Title:** Database Internship at western digital **June, 2017 - August, 2017**

### Project : Automate P-value calculation process and alert inspectors via email.

- Build web tool to check quality of components based on P-value.
- Parse Excel sheet data and stored in database.
- Calculate P-value using One Way Anova Analysis.
- **PHP, MYSQL, HTML, Javascript** and **APACHE** web server used for production.
- Box and Whisker Chart used for represent data (Highcharts, Fusion Chart).

## Skills

**Languages:** C, C++, JAVA, SQL, Python, JavaScript, PHP, Objective C, Perl, Bash Script, HTML.

**Others:** Data Structure, Object Oriented Design, MVC Modeling, MySQL Database, IBM DB2 Database, Android Development, Xcode, Unix, Linux, Eclipse, Netbeans, Visual Studios, GitHub.

## Team-Based Class Projects

### Student class registration system (Major Group project)

- Full functional website for classes registration
- Store all classes information in **MySQL** database locally
- **Php** use as a server side language, **JavaScript** use as a front end, **CSS** use for designing
- Build **Pi Chart** to check progress.
- Feature – add, drop and search for classes.
- Additional feature – check prerequisite for classes before sign up of classes.
- Hosted on amazon web instance through (**AWS**).
- Project available at [https://github.com/moneysingh1991/student\\_registration-website](https://github.com/moneysingh1991/student_registration-website)

### Personal Search engine (Group of 2 people)

- Build text document based personal search engine (search with any keyword)
- **C++** as back end language
- Console based output application (show output as 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 (Group Project)

- Grocery delivery by drone.
- Live drone tracking using google map api.
- Django, python, MySQL, Javascript used for development.
- Project available at <https://github.com/SaajanBariana/GroceryStoreDroneDelivery>

### Android App (Individual Fun Project)

- Making **Android** App for Buy/Sell Stuff on App
- Added multiple **Fragments** for run layout with Styles in Tabs
- Used **Google Map API** to show location on Map for get distance and time estimate to destination.
- Host through **Apache** and **Tomcat** Server from home computer
- **PHP** and **Java** Language used for handling server request
- **Linux** operating system used for run all server.
- Port Forwarding in router to forward **HTTP** request to Server
- Project available at <https://bitbucket.org/sikhma/mysql>