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: Software Engineer Intern at Western Digital (San Jose)   **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 **MYSQL** database.
- Calculate P-value using One Way Anova Analysis.
- **PHP**, **MYSQL, HTML, Javascript** and **APACHE** web server for production.
- Box and Whisker Chart used for represent data (**Highchart**, **Fusion Chart**).
- Improve P-value calculation time from half hour manual process to few seconds automation.

⭕ Skills

Languages: C, C++, JAVA, MySQL, Python, JavaScript , PHP, Perl, HTML .
Others: Data Structure, Object Oriented Design, REST, MVC Modeling, MySQL Database, DB2
Database, Android Development, Xcode, Unix, Linux, Git, Django.

⭕ Team-Based Class Projects

Student class registration system   (Major Group project)
- Full functional website for classes registration
- **Php, MySql**, **JavaScript**, **HTML**, CSS used for production
- Build **Pi Chart** to check progress.
- Feature – add, drop and search for classes.
- Additional feature – check prerequisite before sign up for classes.
- Hosted on amazon web instance (**AWS**).
- Project avalible at 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 (Output in meaningful short paragraph)
- Implemented **Search** algorithm based on keyword frequency, popular documents, document frequency.
- Project avalible at https://github.com/moneysingh1991/cs144FinalProject_git

Grocery shopping Website (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)
- **Android** App for Buy/Sell Stuff
- 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 local 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