

Viral L. Savani

Cell: (562) 290-2877



Experience



Mobile Application Developer Intern at FreeSkies (June - August 2015)

FreeSkies offers drone based autonomous solution to make aerial data capturing easy and accessible to everyone

- ⇒ Implemented Android application for autonomous drone flight for DJI drones
- ⇒ Developed a web interface for off-site drone mission planning using Google Map and Earth API to integrate GIS related data
- ⇒ Investigated various algorithmic approach to execute spline-curve movement instead of point-to-point movement

Software Developer Intern at Ashtavinayak Solutions (January - May 2014)

Ashtavinayak Solutions provide customized web solutions for their clients

- ⇒ Developed web application for assisting and creating university exam paper
- ⇒ Created test cases for unit testing of creating and evaluation of exam paper
- ⇒ Promoted agile methodology during entire development phase; reduced development and integration time by factor of 2



Technical Skills

Programming: JAVA, Android, PHP, Clojure

Distributed Programming: ReSTful Web Services, Amazon Web Services

Web Development: HTML, JavaScript, JSP, Bootstrap, JSON

Databases: MySQL, SQLite, MongoDB

IDE: IntelliJ IDEA, Eclipse, Android Studio, NetBeans



Projects

Geographical Location based Reminder (Android, SQLite), Ongoing

- ⇒ User provides an area of interest and application reminds him whenever he/she is the vicinity of that area
- ⇒ User can add list of task and can keep track of each task respective to an area
- ⇒ Includes features such as repeat task, range in which user should be alerted and task expiration/delete
- ⇒ Intuitive and attractive user interface

Search Engine (Java), Ongoing

- ⇒ Implemented a disk based indexing scheme using γ-encoding for compression and binary search over files for retrieval resulting in the least disk reads
- ⇒ Search engine works in two different modes: Boolean Search and Rank Retrieval Search
- ⇒ Implemented a Query Syntax Checking, Phrase Query, Not Query and Near Query in Boolean Search mode
- ⇒ Rank Retrieval Search supports Spelling Correction, Precomputed Logarithms and performance analysis

Web Application for Archival Storage (Java, MongoDB, Amazon Web Services), August-December 2014

- ⇒ Implemented storage platform using Amazon Glacier and ReSTful Web services
- ⇒ Scaling of data up to one TB for an individual user
- ⇒ Application support modules for file upload, delete, recovery and sharing.
- ⇒ Implemented file progress tracking every four days

System for Creating and Maintaining Timetable (JSP, JavaScript, MySQL), January-May 2014

- ⇒ Architected and implemented web application for creating and maintaining timetable for academic institutes
- ⇒ Authorized user can create/edit a timetable with set of predefined and user defined constraints
- ⇒ Designed an admin panel for user authorization, user activation/deactivation and data entry/update
- ⇒ Designed an efficient database for managing data needed and data produced by application



Education

California State University Long Beach, Master of Science, Computer Science 2014-Present

GPA: 3.77 / 4.0

Relevant Coursework: Advanced Analysis of Algorithm, Advanced Software Engineering, Mobile Application development, Search Engine Optimization, Object Oriented Analysis and design, Fault Tolerant Computing