Semal Patel

skpatel@scu.edu | (408)-416-6789 | Sunnyvale, CA | chnolo.gy

EXPERIENCE

FRUGAL INNOVATION HUB | Student Programmer   Santa Clara, CA | Jan 2019 – Present

- IncidentAid - Currently working an Android app that would take advantage reduntant communication and help firefighters communicate with the commander at the time of need.

OSTRIS SOLUTION | Software Development Intern   Gujarat, IND | March 2018 – June 2018

- Implemented server side rendering on web applications decreasing loading and rendering time up-to 5 seconds on devices with slow internet connection and older generation devices.
- Used gzip compression to reduce requests size up-to 70% and combined various assets files to reduce calls to the server.
- Focused on user experience, and design responsive web based friendly user-interface.

ULTRA INFOTECH | Software Development Intern   Gujarat, IND | June 2016 – August 2016

- Developed a cross-platform event management mobile application for a Non-Profit organization.
- Manage complete infrastructure on AWS ~ around 150 active users.
- Monitored errors sent by defects under direction of development team.

EDUCATION

SANTA CLARA UNIVERSITY | MS Computer Science   Santa Clara, CA | Sep 2018 - May 2020

GUJARAT TECHNOLOGICAL UNIVERSITY | BE Computer Engineering   Gujarat, IND | 2014 - 2018
GPA: 3.6, Courses : Programming Languages, Operating System, Computer Networks, Data Structures, Compiler Design, Theory of Computation, Web Technologies.

PROJECTS

TWITTERTY | Machine Learning, TensorFlow, Keras   www.twi.gy/sc
Developed a project based on Opinion Mining, Computational Linguistics, and Natural Language Processing which extracts Contextual Polarity or Emotional Reaction from social media content and generates an opinion pool.

SNAPNOTES | Android, Google API, Firebase   www.twi.gy/sa
An android note taking application which is location aware so that users can keep a record of to-do's and notes for a particular place. The notes are stored online on Firebase so you never lose a copy of your notes.

VAGABOND | Java, Android, Retrofit   www.twi.gy/sb
A national park information catalogue and campsite availability watcher application for android using MVP architecture. It uses a watchlist system to keep track of campgrounds and notifies whenever a campsite is available.

CAMPI | Design Engineering
An android application for home surveillance and monitoring system using Raspberry Pi and IOT with an ability to share video. Used Raspberry Pi as recording device and stored files on a server.

SKILLS

Programming Languages	Python, Java, C, C++, Javascript, HTML, CSS
Technologies	Android, GIT, Linux, Retrofit, Firebase, Docker, TensorFlow, AWS
Web Frameworks	Flask, REST API, Node.js, Bootstrap, NoSQL, PostgreSQL, Django, MongoDB