SHREYAS GOVINDA RAJU

2652, Apartment-1, Ellendale Place,
Los Angeles, California, 90007.

+1(323) 690-6538 | shreyasg@usc.edu | https://github.com/shreyas-vgr | https://www.linkedin.com/in/shreyasvgr

EDUCATION

University of Southern California, Los Angeles, California   *CGPA: 3.85*

M.S. IN COMPUTER SCIENCE   *Expected May 2018*

National Institute of Technology, Karnataka, Surathkal, India   *CGPA: 8.27*

B.TECH. IN COMPUTER SCIENCE   *July 2011 - May 2015*

TECHNICAL SKILLS

LANGUAGES

   Python, C/C++, Node.js and Shell scripting.

WEB AND DATABASES

   HTML, CSS, jQuery, Ajax , MySQL, NoSQL and Google NDB.

OTHER TECHNOLOGIES

   Vi, Eclipse, Git, VMWare, VirtualBox, Visual Studio, Jenkins, Wireshark, Microsoft Office and OpenGL.

PLATFORMS

   Linux , Google Appengine and Heroku.

EXPERIENCE

Samsung Research Institute Bangalore   *Bangalore, India*

SOFTWARE ENGINEER   *July 2015 - July 2016*

- Developed I/O modules in C++ on an automated caching software tool Autocache.
- Developed web user interface for the Autocache stand-alone application with Prototype framework.
- Collaborated in design and implementation of flushing cached data into secondary storage hard drives.
- Helped in setting up debug environment for kernel debugging in RHEL and setup continuous integration tool Jenkins to automate build and unit testing for the project.

SOFTWARE DEVELOPMENT INTERN   *May 2014 - July 2014*

- Created an user interface in Java Swing to automate SD card qualification testing.
- Tests can be run on multiple devices in parallel and faster along with report generation.
- Developed a lab management tool to reserve lab or conference rooms within company for meetings or discussions.
- Application was integrated with the Samsung SQL database along with IIS Server.

Engineering Intern   *Bangalore, India*

BILENT SERVICES PRIVATE LIMITED   *May 2013 - July 2013*

- Designed, developed and maintained an e-commerce website called Kyash to support over 2000 daily transactions.
- Managed python based database(NDB Datastore) deployed in Google Appengine.

PROJECTS

AI Messenger Bot

BUILT AN AI BASED BOT FOR FACEBOOK MESSENGER

- Built a messenger bot to get details of any Professor's University ratings, comments, quality through RateMyProfessor API.
- Facebook Messenger platform used enables bots to converse with users through Facebook Apps and Pages.
- Custom intent messages to be replied was developed in Node.js

BUILT A SLACK BOT WITH NODE.JS MICROSERVICES

- Developed a resilient, micro-serviced based natural language aware Bot for Slack app with Node.js.
- Natural Language Processing (NLP) module, wit.ai used to process input context to reply corresponding services.
- For example, requesting a time of any particular location the bot uses google geocoding and timezone API to get corresponding time and is sent back to user in chat.

Operating Systems

WEENIX KERNEL

- Designed and developed features such as processes, threads, context switching and synchronization primitives on Unix based Weenix Operating System.
- Developed a Virtual File System (VFS) to provide a common interface between OS kernel and various file systems.
- Developed Virtual Memory(VM) providing an abstraction of address space for user processes.