

Shreyas Govinda Raju

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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

- Worked on an automated caching software tool called Autocache.
- Built the web user interface for the Autocache stand-alone application using Prototype framework.
- Involved in design and implementation of the flushing the cached data into the hard drive.
- Helped in setting up debug environment for kernel debugging in RHEL and setup continuous integration tool called Jenkins to automate build and unit testing for the project.

SOFTWARE DEVELOPMENT INTERN

May 2014 - July 2014

- Built 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 the 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

- Worked on website development of an e-commerce service called Kyash.
- Handled the python based database using NDB Datastore in Google Appengine.

Projects

AI Messenger Bot

Los Angeles, United States

BUILT AN AI BASED BOT FOR FACEBOOK MESSENGER

November 2016

- Built a messenger bot to get details of any Professor's University ratings, comments, quality through RateMyProfessor API.
- Facebook Messenger platform was used which 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

January 2017

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

Operating Systems

Los Angeles, United States

WEENIX KERNEL

August 2016 - November 2016

- Implemented features like processes, threads, context switching and synchronization primitives on Weenix Operating System.
- Implemented a Virtual File System (VFS) which provides a common interface between OS kernel and various file systems.
- Implemented Virtual Memory (VM) which provides an abstraction of address space for user processes.