

SHREYAS GOVINDARAJU

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EDUCATION

EXPECTED MAY 2018	M.S., Computer Science University of Southern California , Los Angeles	GPA: 3.56/4.00
MAY 2015	B.Tech, Computer Science and Engineering National Institute of Technology Karnataka , India	GPA: 8.27/10.00

TECHNICAL SKILLS

Programming Languages:	Python, C/C++, Javascript, Shell Scripting
Web Technologies:	Node.js, Webapp2, Django
Applications :	Jenkins, Google App Engine, Heroku, VMWare, OpenGL, MySQL
Others:	Databases, Machine Learning, Artificial Intelligence, Algorithms

WORK EXPERIENCE

MAY '17 - AUG '17	Software Development Intern, Tintri (Mountain View, USA) <ul style="list-style-type: none">- Worked in Platform QA team to build a test automation tool for Tintri VM Storage appliance.- Developed a tool to highlight known fingerprints failures from the filtered combined logs.- Deployed application as a cron job for periodic execution for several tests.- UI was built to display these results for further analysis and to be able to report in BugZilla.
Tech stack	Python, Django, Bootstrap, JQuery
JULY '15 - JULY '16	Software Engineer, Samsung Research Institute Bangalore (Bangalore, India) <ul style="list-style-type: none">- 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 drives.- Helped in setting up debug environment for kernel debugging in RHEL.- Setup continuous integration tool Jenkins to automate build and unit testing for the project.
Tech stack	C++, Jenkins, Visual Studio, Git
MAY '13 - JULY '13	Engineering Intern, Bilent Private Services Limited (Bangalore, India) <ul style="list-style-type: none">- Designed, developed and maintained an e-commerce website called Kyash- The application was able to support over 2000 daily transactions.- Managed python based database(NDB Datastore) deployed in Google Appengine.
Tech stack	Python, webapp2, Google NDB

RELEVANT PROJECTS

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- **AI Messenger Bot** | github.com/Shreyas-vgr/Messenger-Bot | **Node.js, Facebook Messenger Platform**
 - Built a messenger bot to query professor's or universities in USA.
 - Professor's or university ratings/comments/quality are obtained 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.
 - **Slack Bot** | github.com/Shreyas-vgr/Slack-Bot | **Node.js, Wit.ai, Google Api**
 - Developed a resilient, micro-serviced based natural language aware Bot for Slack app with Node.js.
 - NLP module, wit.ai used to process input context to reply corresponding services.
 - Requesting a time of any particular location the bot uses google geocoding and timezone API.
 - **Sat Encoding Solver** | github.com/Shreyas-vgr/SAT-Encoding | **Python , AI**
 - Implemented a SAT solver to find a satisfying assignment for any given CNF sentences.
 - Implemented PL and DPLL resolution algorithms to find the resolution for the problem.
 - Implemented WalkSAT algorithm to find random solution for given SAT problem.
 - **Spatial Databases** | github.com/Shreyas-vgr/Spatial-Database | **Spatial DB, Postgres, Google Earth**
 - Developed a convex hull using co-ordinates around Los Angeles from spatial queries.
 - Spatial queries written to show intersection and overlaps of given areas.
 - All representations of areas are by convex polygons on google earth using kml files.
 - Drew a deltoid curve on google earth centered around USC campus.