

# SUDARSHAN GOVINDAPRASAD

[sudarshangp.com](http://sudarshangp.com)

B.S. Computer Science, University of Illinois, Urbana-Champaign

Graduation : Dec 2016

GPA : 3.80/4.00

Honors : Dean's List, James Scholar, Phi Eta Sigma

Coursework : Networking, Databases, Applied Machine Learning, Social Visualization, Data Science, Data Structures, Systems Programming

Technical Skills : Python, C, C++, SQL, Javascript, D3.js, R, HTML, CSS



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## EXPERIENCE

### Facebook

Tech. Program Manager Intern  
Menlo Park, CA  
Summer 2016

- Led big data infrastructure programs across Software, Production and Capacity Eng teams
- Ensured Hadoop Disaster Recovery readiness by defining project priorities, setting right customer expectations and resolving cross-functional dependencies
- Developed data model and tool to estimate hardware requirements for a Facebook Hadoop Cluster

### AIG

Virtual User Computing Intern  
Fort Worth, TX  
Summer 2015

- Engaged client teams to implement a scalable process to support the expedited transition of 15000 users to a Citrix Virtual Environment
- Formulated a data model to automate processing new requests into a MySQL database
- Created a dashboard leveraging Microsoft PowerBI to provide real-time statistics
- Chosen to present my concept of workflow management to C Level Executives

### Rockwell Automation

Networks and Comm. Intern  
Cleveland, OH  
Summer 2014

- Resolved client network security related issues
- Inspected Ethernet/IP & TCP/IP Packets using Wireshark, a network protocol analyzer
- Effectively examined client networks, administered security measures such as SSH and VPN to provide secure connections and load balance traffic efficiently

### Rockwell Automation

Process Engineering Intern  
Singapore  
Spring 2013

- Successfully increased the efficiency of Manual Insertion Process by 92.5 %
- Applied Lean Six Sigma concept "DMAIC" to document and analyze the process
- Communicated with Production and Engineering teams to design comprehensive WorkAids that allow for scalability and reliability

### CS@ILLINOIS

CS 225/241 Course Assistant  
Data Structures, Systems Prog.  
Spring 2015, Fall 2015

- Illustrated complex concepts involving Data Structures in C++ and Systems Programming in C
- Fostered critical thinking skills in students to drive deeper understanding of concepts
- Developed programs in C to represent real-world Systems Programming applications

## PERSONAL PROJECTS

### GestureNav

HackMIT 2015

- Led a team to create a platform to support gesture recognition for android wearables
- Implemented gesture control to play music, initiate calls, support location services with Google Maps and emergency response service
- Designed an android app in Java using Presto to actively recognize tilt and flick gestures

### DemoViz

Spring 2016

- Created a web application to analyze 15 years of University of Illinois enrollment statistics in terms of Ethnicity, Gender and Retention trends
- Design MySQL schema and used regression analysis to predict student enrollment
- Utilized Flask web framework, D3.js, MySQL and Materialize CSS framework

### Virtual Office Hours

Spring 2016

- Prototyped a web platform to facilitate virtual office hours for classes with high enrollment
- Implemented real time communication chat backend using socket.io and MongoDB

### SportsHub

Spring 2015

- Managed a team to design a Chrome Extension that allows users to view live Sports Data
- Conducted User Testing and Heuristic Evaluation to assess effectiveness of design
- Designed the backend using Firebase and Python and the front end with jQuery and CSS