

# SUDARSHAN GOVINDAPRASAD

sudarshangp.com

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

Graduation : Dec 2016

GPA : 3.80/4.00    Technical GPA : 3.84/4.00

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

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

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



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## EXPERIENCE

### Facebook

Tech. Program Manager Intern  
Menlo Park, CA  
Summer 2016

Successfully led cross-functional big data infrastructure programs spanning **15+** Eng. teams

- Devised and executed plan to reduce Hadoop Warehouse Disaster Recovery time by **90%**
- Developed model to improve accuracy of Long Range Capacity Planning for Hadoop Clusters

Nominated to share project insights and learning experiences with Facebook Leadership Team

### AIG

Virtual User Computing Intern  
Fort Worth, TX  
Summer 2015

Engaged client teams to implement a scalable process to transition **15000** users to Citrix

- 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

- Designed MySQL schema and used regression analysis to predict student enrollment
- Utilized Flask web framework, D3.js, MySQL and Materialize CSS framework

### 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

### 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 Flask, socket.io and MongoDB