SUDARSHAN GOVINDAPRASAD

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sgovindaprasad

sudarshangp

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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 : Networking, Databases, Applied Machine Learning, Social Vizualization,
              Data Science, Data Structures, Systems Programming
Technical Skills : Python, C, C++, SQL, Javascript, D3.js, R, HTML, CSS

E X P E R I E N C E

Facebook
Tech. Program Manager Intern
Menlo Park, CA
Summer 2016

Led big data infrastructure programs across 15 Software, Production and Capacity Eng teams
 • Successfully exercised Hadoop Disaster Recovery readiness by defining project priorities,
   resolving cross-functional dependencies and setting right customer expections
 • Developed data model to automate estimation of 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

P E R S O N A L   P R O J E C T S

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 Ethinicity, 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 Hueristic Evaluation to assess effectiveness of design
 • Designed the backend using Firebase and Python and the front end with jQuery and CSS