

## EDUCATION

### University of Illinois at Urbana Champaign

B.S Electrical Engineering

May 2020

## EXPERIENCE

### Salesforce

Technical Program Manager Intern

May'18 to Aug'18

- Worked across multiple, cross-functional teams and delivered four different projects, understanding requirements of multiple stakeholders, industry products and practices, while prioritizing problems to be solved
- Proposed an Ethereum driven internal credit system for budgeting, thus creating accountability and visibility for spend on compute resources.
- Designed a multi-cloud monitoring strategy by researching monitoring tools available for and across major public clouds.
- Developed a framework for bots as a notification and control service for site-reliability with integrations for Slack, eventually developing a rudimentary proof of concept for the service.
- Defined success metrics and how they should be measured for private IaaS, along with a new Markov reward chain model to predict availability.

### Tech Nest at AARP (contracted by AllSource)

Voice Enabled Technology Development Intern II

Aug'17 to Dec'17

- Developed automation tools to reduce stress on Level 1 Tech Support by leveraging the Cortana/Skype Bot Platform developed on Microsoft Azure, using Cognitive Services.
- Prototyped a proof of concept for the service in two weeks after ideation at the end of the summer and was thus asked to return.

Voice Enabled Technology Development Intern

May'17 to Aug'17

- Conceived and prototyped project to solve isolation amongst elderly driving impact for millions of members by utilizing the Google Home platform, built using Dialogflow.com, Python, Flask, Twilio, and SQLite.

### OTCR Consulting

Project Manager

May'18 to Aug'18

- Managed the full stack development of a new website for the firm by leading a team of three developers based across the country working on design, content, and functionality.
- Led the development right from the creative vision, design and functional needs to design specifications, choice of stack, and personally writing PHP scripts for applications on the website.

Consultant

Feb'17 to May'18

- Overhauled e-commerce operations of a B2B Fortune 500 by delivering a product strategy and tech implementation roadmap having analyzed the competitive landscape, industry best-practices and customer surveys.
- Trained members on data classification using machine learning algorithms with scikit-learn as part of a data analytics training.

### Illini Internet of Things Association (IIOTA)

Founding President

Jan'17 to Present

- Founded the University's first IoT focused student organization with a co-founding team of five.
- Increased operational efficiencies and drove customer value for a Fortune 500 B2B by recommending use cases and process-flow charts for using Voice-Enabled Technologies across the company's value chain.
- Ideated and partnered with the computer based testing facility for a project to leverage computer vision to augment proctors.
- Featured in the News-Gazette as the "youngest high-tech innovator" for starting the organization.

### Juniper Networks

Intern

Jun'15 to Jul'15

- Drove down costs and increased conversions by recommending a new digital-first sales and marketing strategy
- Explored market opportunities by researching the Internet of Things and received an appraisal letter from the CTO

## PUBLICATION

### Internet of Things (IoT) the Next Big Revolution

International Journal of Advanced Technology in Engineering and Science

Jan'16

## PROJECTS

### Ask Eliza (Amazon Echo Skill)

Jan'17 to Feb'17

- Developed a skill using the Intel Edison to monitor bodily functions like temperature and pulse
- Used IBM Watson API to perform personality analysis and give feedback via email

### First Iteration Autonomous Car

Aug'16 to Dec'16

- Assembled and programmed an "autonomous" car, by mounting two ultrasonic sensors on a servo to sweep around the car to navigate an obstacle course intelligently

### Wireless Keypad Bike Lock

Aug'16 to Dec'16

- Designed and assembled a circuit using ICs to build a binary authentication system with an IR based remote to implement a wireless bike lock

### Emergency Response Automation System

Dec'14

- While interning at the Indian Institute of Technology, theorized a 50% reduction in response time for ambulances by conceptualizing an automation of the emergency response system using Cell Tower Triangulation and GPS Enabled ambulances.
- Developed a proof of concept proving the hypothesis using Python and the Google Maps API

## AWARDS

### GIIS Global Citizen Scholarship

2014-2016

- Scholarship worth 90,000SGD awarded to 6 Indians to complete their schooling, pursuing the International Baccalaureate program in Singapore

### Think Chicago-Chicago Ideas Week|Top 5

Oct'17

- Proposed using predictive analytics to prepare students and families in the Chicago Public School system for college expenses, with targeted budgeting, loan assistance and scholarships.
- One of 5 teams selected from 20 teams comprised of 200 top students from across the country as part of the civic tech challenge

## RELEVANT COURSEWORK

### Past

Computer Systems and Programming • Data Structures • Foundations of Data Science • Analog Signal Processing • Probability with Engineering Applications • Creativity, Innovation, Vision • Introduction to Media Sales • Hoeft Technology and Management Seminar

### Current

Photonic Devices • Digital Signal Processing • Digital Systems Laboratory

## SKILLS/FRAMEWORKS

### Languages/Frameworks

Python • C • C++ • SQL • Shell • Flask • Git • SVN

### Project Management

Agile/Scrum • Project Scheduling and Discovery Budgeting • Design Thinking • Six Sigma