



EDUCATION

University of Illinois at Urbana Champaign

B.S. Electrical Engineering 2020 – (Tech GPA – 3.61)

PROJECTS

OTCR Slackbot

Sep 2017 to Present

- Planned and proposed an initiative to build a Slackbot for OTCR's members to get rapid access to all forms of information relevant to the organization
- Will be leading the development team

Ask Eliza (Amazon Echo Skill)

Jan 2017 to Feb 2017

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

First Iteration Autonomous Car

Aug 2016 to Dec 2016

- Assembled and programmed the first iteration of an autonomous car
- Mounted two ultrasonic sensors on a servo to sweep around the car to navigate an obstacle course intelligently

Wireless Keypad Bike Lock

Aug 2016 to Dec 2016

- Designed an implementation for a wireless bike lock
- Assembled a circuit using ICs to build a binary authentication system with an IR based remote

Igniting Sparks | Best Pitch

October 2015

- Ideated, developed, and pitched a portal to feature the contributions made by the youth of Singapore in different verticals, as a potential solution to Singapore's happiness problem
- Led the team for the endeavor as part of the Common Purpose SG50 Young Leaders Program: A select program for 120 students from across Singapore to envision the next 50 years

Emergency Response Automation System

Dec 2014

- 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, proved it with a proof-of-concept built using Python

PUBLICATIONS

Internet of Things (IoT) the Next Big Revolution

International Journal of Advanced Technology in Engineering and Science – January 2016

AWARDS

Global Citizen Scholarship – 2014

- A fully paid scholarship awarded to 6 Indians to complete high school, pursuing the International Baccalaureate program in Singapore
- Open to any student from across the globe, Indian, or of Indian Origin

ThinkChicago Chicagao Ideas Week | Top 5 Proposal

- Proposed a program to use predictive analytics to identify and target Chicago Public School system students to set up targeted budgeting programs, loan assistance and scholarship distribution
- One of top 5 proposals selected from 20 teams, comprised of 200 top students from across the country

EXPERIENCE

The Tech Nest at AARP

Intern II

Aug 2017 to Present

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

Intern

May 2017 to Aug 2017

- Built out a service that could affect 38 million AARP members by exploring the Google Home platform
- Conceived, and prototyped project to solve Isolation amongst the elderly, by using api.ai, Python, Flask, Twilio, and SQLite

Juniper Networks

Intern

Jun 2015 to Jul 2015

- 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

Indian Institute of Technology

Intern

Dec 2014 to Jan 2014

- Worked closely with the Assistant Professor for Electrical Engineering and faculty for the Wireless Communications Lab
- Learnt basics of Electrical Engineering and developed the emergency response system project

Illini Internet of Things Association

Founding President

Jan 2017 to Present

- Founded the University's first IoT focused student organization with a co-founding team of 5
- Featured in the News-Gazette for starting the organization and the relevance of the grand vision for the district
- Established relationships and raised funding from relevant industry leaders including ReadWrite, Microsoft, and Graybar
- Increased operational efficiencies and drove customer value for a Fortune 500 B2B, by recommending use cases and building process-flow charts for leveraging 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

OTCR Consulting

Consultant

Feb 2017 to Present

- Revamped the e-commerce operations of a B2B Fortune 500 by developing a tech strategy and implementation roadmap
- Co-leading a brand image initiative, to improve relations with different stakeholders
- Developed a module on Data Classification as part of a data analytics training
- Developed a go-to-market strategy for an ad-tech startup which uses machine learning and big data for targeted marketing