

## 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 an Amazon skill with a team of 2 other freshmen
- Worked with the Intel Edison to log, and transmit heart rate and temperature data of the user for a tailored experience

### 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

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

- Conceptualized a project to automate the emergency response system of the city using cell tower triangulation and GPS enabled ambulances
- Coded a proof-of-concept of the same using Python and publicly available APIs such as the Google Maps API

## PUBLICATIONS

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

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

## AWARDS

### Justice CS Dharmadhikari Award for Leadership Excellence – 2015

- Awarded to one student from the entire class of 250

### 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

### Best All Rounder of the Year – 2008, 2009, 2011, 2012

- Four awards, across two different schools, awarded to one student from entire class of more than 300 students on average

## EXPERIENCE

### The Tech Nest at AARP

Intern II

Aug 2017 to Present

- Leveraging the Cortana/Skype bot platform to build automation tools for the organization's internal uses
- Prototyped a proof of concept after ideating the project within the last two weeks of the summer internship and was thus asked to return

### The Tech Nest at AARP

Intern

May 2017 to Aug 2017

- Hired to explore the Google Home development platform and build a project for the same
- Conceived and prototyped a project to solve isolation amongst the elderly within first week of the internship, the project was well received and thus pursued over the summer
- Ideated a project to leverage Cortana/Skype bots for internal uses which was well received

### OTCR Consulting

Consultant

Feb 2017 to Present

- Selected as one of 21 consultants from an applicant pool of over 200
- Formulating a tech strategy roadmap for the B2B e-commerce operations of a Fortune 500
- Developing a module on Data Classification to train members as part of a Data Analytics training
- Developed a focused go-to-market strategy for an ad-tech startup which leverages machine learning for targeted marketing

### 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
- Established relationships with integral partners such as an IoT focused accelerator in San Francisco as well as several industry leaders
- Scaled the organization rapidly with a feature in the News-Gazette, and a presentation to industry leaders at the Research Park IoT Meetup 2.0
- Ideated and developing a project for proctor augmentation at the Computer Based Testing Facility using face detection APIs with Prairie Learn system

### Juniper Networks

Intern

Jun 2015 to Jul 2015

- Recommended a new, digital first, Sales and Marketing strategy for the company's Indian operations, did research on the Internet of Things
- Received appreciation letter from the regional CTO

### GIIS MUN 2015

Deputy Secretary General

Mar 2015 to Jun 2015

- Conceptualized, proposed, and coordinated all the activities for the school's first MUN and attracted more than 300 delegates

### Indian Institute of Technology, Jodhpur

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