https://github.com/

EDUCATION

Illinois Institute of Technology **GPA: 3.70**

Bachelor of Science in Computer Science and Applied Mathematics August 2015 – May 2019

- *Relevant Coursework:*
  Data Structures and Algorithms, Computer Architecture, Software Engineering, Programming Languages and Translators, Database Organization, Mobile Application Development, Probability, Statistics, Discrete Math, Linear Algebra, Combinatorics, Computational Mathematics.
- *Programming:*
  Python, JAVA, C/C++, JavaScript, jQuery, Android Studio, HTML/CSS/Bootstrap, AWS, Node.js, SQL (PostgreSQL), PHP, Linux, Bash/Shell Scripting, Visual Basic, Ruby, Prolog, XML/JSON.

WORK EXPERIENCE:

U.S. Cellular **Schaumburg, IL**

Data Scientist and Software Developer Intern **June 2018 – August 2018**

- Extracted, Transformed and Loaded (ETL) US Cellular's network configurational data, automated on a daily basis, into a Hadoop Cluster. The Data was stored in HBASE and HIVE where this data was indexed, compressed and queried upon. Data aggregation, processing & analytics is done on this data.
- Streamed US Cellular's network fault data into the Hadoop cluster using Flume and Kafka as the data streaming ingestion tools and implemented a SOLR search engine to search upon realtime data.
- Created Tools using D3.JS, Spark streaming to visualize data which anomaly detection can be built on.

U.S. Department of Energy, Argonne National Laboratory **Lemont, IL**

Software Developer Intern **June 2017 – August 2017**

- Worked with the Array of Things and Waggle, on the Waggle cloud platform to implement a data-pipeline for transmitting node/sensor data for sensor-plugin development.
- Also created virtual nodes and the Virtual Node Environment for automated software testing of sensors used in the nodes and for constant stress-tests on the server for further enhancement.
- Worked with a team of developers to build a dashboard for Statistical Analysis of the various node metrics such as node uptimes to provide a greater understanding of the nodes functionality.
- ***Tools Used:*** Python, Bash, RabbitMQ, Docker, QEMU emulator, D3JS (JavaScript Library)

ACD COMMUNICATIONS Pvt. Ltd. **Hyderabad, India**

Engineering Assistant and Designer **April 2014 – May 2014**

- Designed and built the Yagi Antenna, as a summer project, for point-to-point and multipoint WIFI applications and conjectured if Yagi Antenna was safe to be deployed at 200km/hour wind speed.
- ***Applications Used:*** AutoCAD- Inventor, CFD Analysis Software

EXTRACURRICULARS:

Society of Automotive Engineers **Fall 2015 – Present**

- Tech Lead for SAE in developing the code and logical connection of an Arduino circuit for the motor controls and building the side-pod and chassis skin of the Formula1 electrical hybrid car.

Association of Computing Machinery **Fall 2016 – Present**

- Participated in a series of organized front-end and back-end development seminars.

HACKATHONS:

- **Hackillinois, (Dig Deeper: 2017!), at University of Illinois-Urbana Champagne:**
  Created HealApp: An iOS mobile application built to create an uber-service for caregivers to reach out to people in illness and need. Won first place prize in this Hackathon among 2,000 participants.
  Languages/Applications Used: Python, Swift (UI for iOS app), Flask (for RestAPI), Firebase
- **ScarletHacks, Illinois Institute of Technology, Chicago, Il:**
  Created BusLyft: A android mobile application that functions as a lyft-service for buses by providing bus access in busy urban areas, unsafe neighborhoods and populated rural areas.
  Languages/Applications Used: React-Native, Node.js, Google Map API, Firebase, JavaScript
- **Boilermake, *at* Purdue University:**
  Developed a prototype of a smart-home, powered by Artificial Intelligence, that would check if supplies in the home are running low and purchase, with request and bank authorization, accordingly.
  Languages Used: Python, JavaScript, Mongo DB and Firebase Framework

PROJECTS /SKILLS:

- Won Dean's Award for developing 2D & 3D map technology for IIT Beacon Attentive Sensing Platform.
  Technology Used: SnapSVG (JavaScript Library), Virtual Reality (AFrame).
- Won Dean's Award for Academic Excellence for the years: 2015, 2016 & 2017.
- Developed a website, using Angular JS and Ruby, that pairs investors and investees to promote small to medium sized startups and businesses.
- Developed a mobile application, using Android Studio and Firebase, that functions as a fitness regime.
- Designed a user application in JAVA that functions as a CTA Transit System for the Chicago CTA trains.
- **Languages:** Fluent in English, French, Telugu