

# Harsha Hemanth Chunduri

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## EDUCATION

### ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO

Expected July 2022

#### Masters in Data Science

Relevant Courses: Big Data Technologies, Monte Carlo Methods in Fin, Data Preparation and Analysis, ML  
Specialization in Mathematics and Computer Science, GPA : 4.0 / 4.0

### INSTITUTE OF AERONAUTICAL ENGINEERING (JNTUH)

2014 - 2018

#### Bachelor of Technology in Electronics and Communication Engineering

Research: Two research papers under review in AEÜ IJECE (Antennas Domain)

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## SKILLS

Languages: Python, R, Scala, MATLAB

Frameworks: Hadoop DFS, Spark (EDA, ETL & Pipelines), Git

Machine Learning: Time series forecasting, Regression, Classification, Clustering, Statistics, Unsupervised learning

Cloud: Linode, AWS EC2, S3, EMR, Route 53, VPC, Security Groups, Load Balancing

OS, Security and Tools: CI/CD, Ubuntu, CentOS, openSUSE, Docker, Rundeck, PostgreSQL, SAP Analytics Cloud

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## EXPERIENCE

### *Student Assistant, Idea Shop Web Developer*

2021 - 2021

#### Illinois Institute of Technology

Chicago

- Developed backend functionalities for an online training website for with capability of training 8K students
- Deployed application in production level and built CI/CD pipelines for automated feature implementations
- Leveraged Git, Python - Flask, MariaDB and Docker for the backend implementation of the web application

### *Junior Data Scientist*

2019 - 2020

#### 3LOQ Labs (Fintech Start-up)

Hyderabad

- Built machine learning applications to predict customer churn and incomes for 1.2 million customers
- Led team of 4 in Security, DevOps and automation projects for offline and cloud clusters of 1000GB RAM
- Initiated micro service deployments for distributed ML applications using Docker saving production costs by 60%
- Designed and implemented a security framework for web applications using open source tools blocking 93% attacks

### *Associate Business Analyst*

2018 - 2019

#### Bitkemy Technologies

Hyderabad

- Extracted & delivered insights and migrated code to python from SAS modules with an accuracy of 94.6%
- Delegated team of 3 on data and infrastructure requirements for building data pipelines managing upto 20 TB data
- Led 4 client POCs and developed prototypes for automated code implementations using Jenkins and RunDeck

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## PROJECTS

### Text Categorization (NLP)

- Classified COVID related comments from news stances to 3 categories based on Multinomial NB classifier
- Manually tagged tokens to get the initial data before modelling and modelled with an accuracy of 88.3%

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## LEADERSHIP EXPERIENCE

### Think Chicago 2021 Team Lead

- Led a group of 5 university-level PhD scholars in delivering solutions for vertical farming & food waste management
- Proposed solutions for economic retention in Chicago region post pandemic in food and agricultural sectors

### NGO Volunteer

- Volunteered to teach Mathematics and English courses for 93 underprivileged kids in rural parts of India
- Raised \$4200 in funds for education and living expenses of underprivileged children

### Leaders for Social Cause

- Partnered and collaborated with 13 students in helping build efficient eco friendly solutions for farming
- Planned and executed to plant 200 trees with other volunteered to increase tree coverage in open spaces