# HARSHA HEMANTH CHUNDURI

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## EDUCATION

**ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL**              Expected December 2022
**Masters in Data Science**
Relevant Courses: Big Data Technologies, Introduction to Algorithms, Data Preparation and Analysis, ML
Specialization in Mathematics and Computer Science, GPA : 4.0 / 4.0

**INSTITUTE OF AERONAUTICAL ENGINEERING (JNTUH), HYD, INDIA**              2014 - 2018
**Bachelor of Technology Electronics and Communication Engineering**
Research:  Two research papers under review in AEÜ IJECE (Antennas Domain)

## SKILLS

Languages: Python, Scala - Spark (Rookie), MATLAB (Rookie)
Frameworks: Flask, Spark, Git, HDFS, TensorFlow
Machine Learning: Regression, Classification, Clustering, Data Analysis, Time series forecasting, Statistics
Cloud: Linode, AWS EC2, S3, EMR, Route 53, VPC, Security Groups, Load Balancing
OS, Security and Tools:Ubuntu, CentOS, openSUSE, Docker, Rundeck, PostgreSQL, SAP Analytics Cloud

## EXPERIENCE

*Student Assistant, Idea Shop Web Developer*              2021 - 2021
**Illinois Institute of Technology**              Chicago
- Developed minute features for web applications

*Junior Data Scientist*              2019 - 2020
**3LOQ Labs (Fintech Start-up)**              Hyderabad
- Built an income predictor model from user transactions and demographic data, resulted in 80% accuracy
- Implemented data processing pipelines for 100 million customer base, 2 TB data month on month for a top private bank
- Formulated and improved Data Transformation pipelines to automatically update batch data for running monthly product recommendations, saving manual look up time by 2 hours for every run
- Simplified EDA process for improving consumer transactions saving 2.5 hours of manual lookup time
- Reduced deployment time for ML model with Docker by 37% (Out of box solution) saving 2% of costs
- Built model for customer churn resulting in 0.57% rise in customer engagement for a 50M customer base bank
- Automated end-to-end infrastructure security with open source tools in 2 months
- Developed a product that recommends next best transaction for 1.2 million users
- Collaborated and Led team of 8 in Security, DevOps and automation projects for offline and cloud clusters
- Designed open source security framework for cloud infrastructure blocking 83% attacks
- Initiated micro services deployments in Docker reducing costs by 60%

*Associate Business Analyst*              2018 - 2019
**Bitkemy Technologies**              Hyderabad
- Extracted insights and migrating to python from SAS modules with an accuracy of 94.6%
- Delegated team of 3 on data and infrastructure requirements for building data pipelines for 20 TB data
- Led client interactions, represented company in 3 external events

## CERTIFICATIONS

- SAP Technical Consulting Virtual Internship Program
- Computational Thinking for Problem Solving (University of Pennsylvania online MOOC)
- MATLAB OnRAMP (Mathworks)
- Business Statistics and Analysis (RICE University)

## HONORS

- Think Chicago 2021 Team Lead for civic tech challenge
- Extraordinary effort award 3LOQ Labs
- NIIT certified in the IT Wizard curriculum in level 2-B (at age 9)