

HARSHA HEMANTH CHUNDURI

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EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL

Expected July 2022

Masters in Data Science

GPA : 4.0 / 4.0

Relevant Courses: Big Data Technologies, Introduction to Algorithms, Data Preparation and Analysis, ML Specialization in Mathematics and Computer Science

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

Junior Data Scientist

2019 - 2020

3LOQ Labs

Hyderabad

- Simplified EDA process for improving consumer transactions saving 2.5 hours of manual lookup time
- 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
- 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
- Deployed models on TBs of data month on month on machines ranging from 125 GBs to 875 GBs of RAM
- 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

PROJECTS

Exploration and Evaluation of Machine Learning Libraries

2021

- Evaluated ML and data integrity libraries in big data technologies. Research topics: MLlib, H2O, Deequ, Tensorflow

Digit and Letters Recognizer (Skills: Python, Kafka, Spark)

2021

- Led team of two and implemented a production-ready system for converting handwritten images to digital numbers

Cases Forecasting with socio-economic data

2021

- Enforced Facebook's prophet time series forecast Forecast model to predict cases with mean absolute error of 3K cases

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

- Promoted to 3LOQ Labs, a Bitkemy Technologies subsidiary (Reason: Exceptional Performance)
- Innovative employee award (Out of box docker solution for offline deployments with big data stack)
- NIIT certified in the IT Wizard curriculum in level 2-B (at age 9)