HARSHA HEMANTH CHUNDURI

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EDUCATION

Illinois Institute of Technology, Chicago, Illinois   Anticipated Grad date: July 2022
Masters in Data Science   GPA: 4.0
Coursework: Big Data Technologies, Introduction to Algorithms, Data Preparation and Analysis, ML
Research: Exploring and evaluating big data ML frameworks

Institute of Aeronautical Engineering (JNTUH), Hyderabad, India   Sep 2014 – May 2018
Bachelor of Technology in Electronics and Communication Engineering
Research: Two research papers under review in AEÜ IJECE (Antennas Domain)

EXPERIENCE

3LOQ Labs, Hyderabad, India   May 2019 – Dec 2020
Jr. Data Scientist
- Created EDA for bank transactions and demographic data
- Led Security, DevOps and automation team for offline and cloud clusters
- Designed and headed security framework for cloud infrastructure
- Performed big data processing for 100 million customer base, 2 TB data month on month for a top private bank
- Formulated a Data Transformation pipeline to automatically update batch data for running monthly product recommendations, saving manual look up time by 2 hours every run
- Designed income predictor model from user transactions and demographic data, resulted in 80% accuracy
- Cut down 37% deployment time for ML deployments with Docker for banks (Out of box solution) saving 2% returns
- Implemented model resulted in a 0.57% rise in customer engagement for a 50 million customer base for a major bank
- Automated end to end infrastructure security implementation with open source tools
- Executed ML models on TBs of data month on month on machines ranging from 125 GBs to 875 GBs of RAM

Bitkemy Technologies, Hyderabad, India   Oct 2018 – Apr 2019
Associate Business Analyst
- Extracted insights and migrating to python from SAS modules using pandas and pandasql
- Communicated with client on data and infrastructure requirements and building pipelines
- Promoted to 3LOQ Labs, a Bitkemy Technologies subsidiary (Reason: Exceptional Performance)

ACADEMIC PROJECTS

Research (Research topics: **Spark MLlib**, **H20, Amazon Deequ, TensorFlow**)   May 2021
- Exploration and evaluation of machine learning libraries in big data technologies. Key findings include different libraries to use for different data formats and quality of data is much more important than model design

Digit and Letters Recognizer (Skills: **Python**, **Kafka**, **Spark**)   April 2021
- Led team of two and implemented a production-ready system for recognizing handwritten images and converting them to digital letters. Appreciated as the best project among peers

COVID-19 cases Forecasting with socio-economic contextual data   March 2021
- Enforced Facebook's prophet time series forecast Forecast model to predict cases

CERTIFICATIONS

- Computational Thinking for Problem Solving (University of Pennsylvania)   2021
- MATLAB OnRAMP (Mathworks)   2020
- Business Statistics and Analysis (RICE University)   2018

AWARDS AND HONORS

- Extraordinary effort award 3LOQ Labs   2020
- Innovative employee award (Out of box docker solution for offline deployments with big data stack)   2019
- NIIT certified in the IT Wizard curriculum in level 2-B (at age 9)   2006

TECHNICAL SKILLS

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