Harsha Hemanth Chunduri

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SKILLS

Languages: Python, R, Scala, MatLAB
Frameworks: Spark, Git, Flask, Tensorflow, Keras, OpenCV, Tableau, Sci-kit Learn
Machine Learning: NLP, Regression, Classification, Clustering, Statistics, Computer Vision, CNN, FCN
Cloud: Linode, AWS EC2, S3, EMR, Route 53, VPC, Security Groups, Load Balancing
OS, Security and Tools: CI/CD, Ubuntu, Elastic, Docker, Rundeck, PostgreSQL, SAP Analytics Cloud, Kibana

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EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY   EXPECTED: Jul 2022
Masters in Data Science (Teaching Assistant: Intro to Algorithms)

Institute of Aeronautical Engineering (JNTUH)   2014 - 2018
Bachelor of Technology in Electronics and Communication Engineering

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EXPERIENCE

Teaching Assistant, Student Assistant, Idea Shop Web Developer   2021 - 2022
Illinois Institute of Technology   Chicago
- Developed backend functionalities for an online training website with the capability of training 8K students
- Deployed application in production level and built CI/CD pipelines for automated feature implementations
- Worked as a graduate level teaching assistant for the course introduction to algorithms as a for a class of 67

Junior Data Scientist   2019 - 2020
3LOQ Labs (Fintech Start-up)   Hyderabad
- Analyzed and built machine learning applications to predict customer churn and incomes for 1.2 million customers
- Built a recommendation engine to recommend features based on past transactions, increasing transactions by 4.3%
- Led team of 4 in Security, DevOps and automation projects for offline and cloud clusters of 1 TB RAM
- Initiated micro service deployments for distributed ML applications using Docker saving production costs by 60%

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 client POCs and developed prototypes for automated code implementations using Jenkins and RunDeck

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PROJECTS

Image Segmentation with Fully Convolutional Networks (Skills: Python, Keras, Tensorflow, Cython, Colab)
- Built an FCN from scratch which will segment the image pixel to pixel on GPU with an accuracy of 89.2% on cloud

COVID Cases Forecasting (Skills: Python, Facebook's Prophet Forecast model)
- Trained a forecasting model for predicting the cases combined with social-economic & weather data with MAE 2k

Big Data Research (Skills: Spark, Keras, Deequ, MLlib)
- Evaluated multiple ML frameworks & compared for different use cases along with the impact of data quality using Deequ

Text Categorisation (Skills: NLP, Python, Bag-of-words, Random Forest, Naives Bayes)
- Built model for classifying tokens of text to multiple categories with accuracy of 94.6% resulting in less manual overhead

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LEADERSHIP EXPERIENCE

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

Kaplan Institute Member for Start-ups
- Partnered and collaborated with students in helping build tech based start-ups and advising on data science projects
- Pitched proposal for NLP start-up for use cases in in Insurance, Stock & Social network sectors for social cause