NAGARJUNA CHIDARALA

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Analytics specialist with 4+ years of experience in predictive modelling, anomaly detection and optimization solving impactful problems. Seeking full-time roles in data science with STEM-OPT work authorization starting 12th Aug '24.

Technical Proficiency: Python(pandas, sklearn, matplotlib), SQL, Git, SAS, databricks, Azure, Gurobi, Google-or tools

Conceptual Interests: Machine Learning, Statistics, Operations Research, Data Modelling and Warehousing

EDUCATION

Purdue University, Daniels School of Business — West Lafayette, IN
Master of Science in Business Analytics and Information Management (GPA: 3.8/4.0) — August 2023 - August 2024

Narsee Monjee Institute of Management Studies (NMIMS) — Mumbai, India
MBA – Business Analytics (GPA: 3.6/4.0, Dean's List Student) — June 2019 - April 2021

Indian Institute of Information Technology (IIIT) — Sricity, India
Bachelor of Technology in Electronics and Communications — August 2013 - June 2017

PROFESSIONAL EXPERIENCE

Tiger Analytics — Hyderabad, India
Analytics Consultant — March 2022 – May 2023

- Identified key drivers contributing to manufacturing waste for a CPG major using classification and regression techniques, developed Power BI dashboards for visualization and the insights resulted in increasing production capacity by 13% with projected cost savings of USD 26 Million in 3 years
- Led a team of BI developers and Data Engineers in developing a comprehensive comparison of labor efficiency across 250+ manufacturing plants using data envelopment analysis in python, showing probable monetary opportunities ranging $150k - $6M per manufacturing plant per year on Power BI
- Delivered projects within 75% of estimated timelines following Agile principles for efficient delivery and by being a key liaison between business, leadership and development teams
- Collaborated with data owners across verticals for identifying opportunities and forging strong relationships

Datacurate Technologies — Mumbai, India
Analytics Consultant — April 2021 – March 2022

- Deployed an ensemble fraud analytics engine to identify fraudulent claims for a health insurance major
- Utilized statistical anomaly detection on 130+ fraud metrics for each claim to pass through, developed in cross functional collaboration with medical and legal teams, reducing claim revert time from hours to under 5 seconds
- Led a team of Data Engineers and Business Analysts, developed fraud data mart architecture, monitored ETL development using SAS tools in Viya such as DI Studio, Visual Investigator and Intelligent Decisioning

Axis Bank — Mumbai, India
Analytics Intern (Summer) — April 2020 – June 2020

- Optimized Cash Transport Vehicles routing, usage and assignment using linear and mixed integer optimization techniques (CVRP) on Google OR Tools and Gurobi solvers through python to reduce costs by 50%
- Recommended features for new credit card by analyzing web reviews for existing cards using NLP techniques

Velankani Software Pvt Ltd — Bengaluru, India
Software Engineer — July 2017 – May 2019

- Performed root cause analysis in software failures for a US based telecom client, identified and resolved software bugs, reducing failure rate by more than 70%
- Developed Java based software products for telecom clients to access network hardware through easy GUI

ACADEMIC PROJECTS

- Optimized supply chain network of an auto part mfg. firm with proposed savings of $1.3M per yr (w. Kearney)
- Leveraged classification models to enhance retention and revenue through targeted marketing strategies for Airbnb
- Utilized linear optimization methods to create exam sets of same difficulty levels ensuring fair comparison
- Employed GCP technologies - BigQuery ML and Pub/Sub, to predict real-time flight delays using BTS data

ADDITIONAL INFORMATION

- Visiting Faculty at NMIMS Mumbai, currently teaching 'Fundamentals of Business Analytics' to online MBA
- Graduate Teaching Assistant at Purdue University for Data Mining with Prof. Qiyu Han during Spring 2024
- A Lifetime member of Beta Gamma Sigma honor society for exceptional academic performance at Purdue
- Winners, SAS Optimization Challenge – 2023, Purdue University
- Winners, Crossroads Analytics Challenge – 2024 organized by NCAA, with Kaggle rank 1
- Certifications: AZ-900 Azure Cloud Fundamentals, AWS Cloud Practitioner, Data Analyst in Power BI