Nagarjuna Chidarala

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Data Scientist with 4+ years of experience in predictive modelling, anomaly detection and optimization solving impactful problems. Seeking full-time roles in data science, analytics improving business processes and outcomes.

Technical Proficiency: Python (pandas, sklearn), SQL, Power BI, Git, SAS, AWS, Azure, Gurobi, Google-OR
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 – July 2024
- Beta Gamma Sigma honor society member for exceptional academic performance

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**
Data Scientist (Consultant)   **March 2022 – May 2023**
- Identified key drivers contributing to manufacturing waste for a CPG firm with random forest, xgboost, regression and hypothesis testing techniques, and insights resulting increasing production capacity by 13%
- Led a team of 4 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 client relationships

Datacurate Technologies   **Mumbai, India**
Data Scientist (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 6 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**
Data Science Intern   **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
- Winners, SAS Optimization Challenge – 2023, Purdue University
- Winners, Crossroads Analytics Challenge – 2024 organized by NCAA, analyzing March Madness ticket sales
- Certifications: AZ-900 Azure Cloud Fundamentals, AWS Cloud Practitioner, Data Analyst in Power BI