

EDUCATION

Duke University

Master of Science in Interdisciplinary Data Science

Durham, USA

Aug 2023 - May 2025

Relevant Courses: Data Engineering, ML, DSA, Software Engineering, NLP, Cloud Computing, Statistical Modelling, Causal Inference

SRM University

Bachelor of Technology in Electronics and Communications Engineering

Chennai, India

Jul 2015 - May 2019

Relevant Courses: Pattern Recognition Techniques, Advanced Calculus, Probability & Random Processes, Discrete Mathematics

SKILLS

Technical

Python, C, C++, Java, R, SQL, Rust, Excel, VBA, Tableau, PowerBI

Platforms

GitHub, GitLab, AWS, Azure, JIRA, Atlassian Analytics, SAP (IBP, BW, APO), Oracle (Demantra, OBIEE)

Languages

English, Hindi, Tamil, Telugu, German (Beginner)

WORK EXPERIENCE

Rivian Automotive

Engineering Intern

Normal, USA

May 2024 - Aug 2024

- **Data Engineering:** Led implementation of an advanced initiative tracking system, encompassing migration of 500+ initiatives, analytics pipeline setup, and creation of comprehensive dashboards; resulting in an optimized process & annual savings of **\$3M**
- **Analytics & Process Improvement:** Established a standardized central database and reporting tool for EHPV analysis; automating processes and optimizing workflows to save **30 man-hours** per week for the team

ZS Associates

Decision Analytics Associate Consultant

Pune, India

Dec 2019 - Jul 2023

- **Analytics:** Led the Advanced Analytics for the Demand Planning team of a **Top-10 Pharma client**. Developed and maintained **40+ reports and dashboards** which tracked performance parameters and provided actionable insights to senior stakeholders
- **Data Engineering & Management:** Developed multiple pipelines to **clean & transform data** from different systems and store them in **Databases** like **MS Access** which were utilized by various other ZS and client teams for downstream processes
- **Machine Learning & Forecasting:** Developed univariate **time series forecasting** models in **Python** by employing multiple statistical, deep learning and ensemble methods, which resulted in improved lag 1 Sales Forecast Accuracy by **~10%**
- **Process Integration & Improvement:** Led the Demand Planning Process and ERP system integration post the M&A between 2 Top-Pharma clients. Built **15+** tools and processes to streamline the process which saved each planner **50+ hours** monthly
- **SAP IBP:** Worked with the clients during the SAP-IBP implementation for their demand planning process. Helped in defining business rules, data flow and the UAT testing. Was the **SAP-IBP Super-User** for the global demand planning team
- **Onboarding:** Onboarded multiple new members to the team and conducted sessions on **advanced analytics using Excel & VBA**
- **Additional Experience:** Led **Tableau** Migration Pilot project, assisted and performed Ad-Hoc analytics for other projects and teams such as Launch Excellence, Financial Forecasting, Demand Sensing, Enterprise Data Lake etc.

Mu Sigma

Trainee Decision Scientist

Bangalore, India

Sep 2019 - Dec 2019

- **Demand Forecasting:** Conducted a comprehensive demand forecasting case study for a retail chain. Tasks included data migration using PySpark, EDA, hypothesis testing, and statistical modeling using Python. Delivered final insights via a PPT deck
- **Sentiment Analysis:** Analyzed customer reactions to a new product launch using **Python's NLTK** on a sample Twitter dataset

ACADEMIC PROJECTS

Machine Learning & Natural Language Processing (NLTK, NumPy, Scikit-Learn, PyTorch, Supervised Learning)

Links: [Diabetic Retinopathy Detection](#), [Twitter Abuse Detection](#), [Machine Learning using MLflow](#)

Data Engineering & Cloud Computing (AWS, Microservices, Github, CI/CD, Databricks, Devcontainer, Docker, Flask, PySpark)

Links: [LLM App hosting on AWS](#), [Web App for Stock Analysis](#), [Databricks ETL Pipeline](#), [CRUD in SQLite\(Python, Rust\)](#)

Data Analytics and Modelling (EDA, Statistics, Causal Analysis, GLMs, Linear Regression, ggplot2, Matplotlib, Pandas)

Links: [Effectiveness of Opioid Control Policies](#), [Crime Analysis - Los Angeles](#), [Causal Study of Insurance & Lung Cancer](#)

Bachelor's Thesis Dissertation: "Drone Control Using EEG Signal"

awarded **"Best Research Paper"** at ICMRSE 2019, Chennai for designing & building a method to control a drone using EEG signals

SRMSAT, SRM Institute of Science and Technology

Led the **Power Subsystem** of a multidisciplinary student research group at the university to design **microsatellites**