

## EXPERIENCE

### Texas Instruments

Bengaluru, India

#### Data Scientist

Mar 2021 – June 2022

Developed an LSTM neural network model to detect factory production line failures using real time data from industrial pump signals processed using Spark Streaming and Kafka, resulted in savings of \$12M per year.

#### Data Analyst

June 2019 – Feb 2021

Saved \$7M (FY21) and optimized supply chain operations by building an ETL-enabled data pipeline, ingesting 2B weekly data rows, and creating Tableau dashboards to monitor demand vs. billing signals.

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## EDUCATION

### University of California Davis

San Francisco, CA

Master of Science in Business Analytics (MSBA)

July 2022 – June 2023

Highlighted coursework: Advanced Statistics, Machine Learning (ML), Big Data, Data Management

### International Institute of Information Technology Bangalore

Bengaluru, India

Postgraduate Diploma (PGD), Machine Learning and Artificial Intelligence

Oct 2020 – Oct 2021

Highlighted coursework: Inferential Statistics, Machine Learning, Natural Language Processing, Neural Networks

### Visvesvaraya Technological University

Belagavi, India

Bachelor of Engineering, Computer Science and Engineering

July 2015 – June 2019

Highlighted coursework: Data Structures, Distributed Systems, Python Programming, Advanced Algorithms

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## PROJECTS

### MSBA Practicum

**ChangeBridge LLC:** Developed a predictive analytics solution for customer survey responses, including data simulations and interactive visualizations using Streamlit.

**Atlassian:** Designed and presented a proof of concept addressing explainability and cold-start issues for the recommendation engine of Atlassian Marketplace (5k applications).

### Sentiment-based Product Recommendation System

Conducted sentiment analysis on 100K+ Amazon reviews, built collaborative filtering-based recommendation systems, and fine-tuned them with sentiment analysis for top-rated products.

### Chatbot for Restaurant Search

Created a conversational chatbot enabling restaurant discovery in Tier-1 and Tier-2 cities, utilizing rasa-nlu-trainer for NLU training and integrating Zomato API for data retrieval and email notifications.

### Deep Learning for Gesture Recognition

Built neural network models to recognize five hand gestures for smart TV control using 3D Convolutional and Conv2D + RNN architectures.

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## SKILLS

**Specialties:** Exploratory Data Analysis, ML, A/B Testing, Churn Analysis, Anomaly & Fraud Detection

**Certifications:** Tableau Desktop Specialist, AWS Certified Cloud Practitioner

**Technologies:** Python (NumPy, Pandas, Scikit-learn, Scipy, Statsmodel, Tensorflow, Keras, Pytorch, Flask, NLTK, Plotly, BeautifulSoup), R, SQL (MySQL, Postgres, Hive, Impala, Spark SQL), Spark, Kafka, Heroku, AWS, Spotfire, Excel, Tibco Spotfire, Splunk, Power Business Intelligence, Git, Docker, Kubernetes