Tejas Khandwekar

Atlanta, GA 30363 | tejas5589@gmail.com | (404) 396-9196 | linkedin.com/in/tejas-khandwekar/

EDUCATION

Georgia Institute of Technology, *Masters of Science in Analytics* **August 2025 - December 2026**
Coursework: ML, Data Visualization and Analytics, Design & Analysis of Experiments *Atlanta, Georgia*

Visvesvaraya National Institute of Technology, *Bachelor's in, Mechanical Engineering* **July 2018 – July 2022**
GPA: 9.21/10 *Nagpur, India*
Coursework: Machine Learning for Engineer, Numerical Methods, Machine Vision

SKILLS

Programming & Tools: Python, R, SQL, Power BI
Machine Learning & AI: Time Series Analysis, Demand Forecasting, **Supply Chain Analytics**, Machine Learning, Statistical Analysis, Customer Segmentation, **Natural Language Processing (NLP), LLMs**, **Gen AI**, **AWS**, Anomaly Detection, **RAG**, Deep Learning, A/B testing, Computer Vision
Cloud & Platforms: AWS, Docker, DataBricks, Azure

EXPERIENCE

Data Scientist, ExxonMobil, Bengaluru, India **July 2022 – June 2025**

AI-Powered Contract Analysis Tool (SPI NET)

- Automated fee calculation from digitized contracts using AWS Textract and developed a contract-invoice reconciliation system to detect mismatches using **AWS Bedrock by** Attribute Extraction using **RAG**.
- Integrated GenAI calculator with Glue ETL workflows, identifying invoice discrepancies and delivering **$2.9M in savings**.

Global Demand Forecasting Pipeline

- Co-developed a global demand-forecasting pipeline for thousands of SKUs, addressing data gaps and tailoring ensemble models to segmented clusters, incorporating demand planners' feedback and business processes.
- Improved forecast accuracy **by 10% over vendor solutions**, enabling **$50M** in working capital savings through better inventory planning and procurement, also resulting in imporved service level.

Benzene Price Forecasting Model

- Developed a statistical forecasting model for price predictions, enabling better capacity planning and trading decisions.
- Enabled **$2M/year** financial savings through collaboration with domain experts and incorporating leading drivers, and utilizing a custom loss function to minimize direction loss for trading.

Customer Segmentation Solution

- Built **a Dockerized segmentation model,** automating clustering and reducing analysis time from months to hours.
- Boosted tailored marketing efforts, driving significant sales growth by **predicting customers at the risk of churn**.

PROJECTS

iETS Models for Intermittent demand forecasting (GitHub) **June 2024 – Present**

- Designed experiemnst with Prof. Ivan from Lancaster University to test intermittent state space models (iETS) for forecasting intermittent demand over long horizons of hourly data.
- Applied R's *smooth* package to improve forecasts for irregular demand scenarios in retail sales data vs other models.

Natural Language Processing for Question Answering **May 2021 – January 2022**

- Enhanced state-of-the-art NLP models for multi-hop question answering across multiple documents.
- Built knowledge graphs and applied unsupervised methods for reasoning sentence selection; co-trained LSTM and fine-tuned BERT for improved QA performance.

ACHIEVEMENTS & CERTIFICATIONS

- **Runner-Up, Myntra Hacker-Ramp Hackathon:** Developed a CNN-based fashion trend detector using Instagram data.
- **ExxonMobil India Inc Recognition**: Awarded for driving 10% accuracy gains in forecasting by Lead Country Manager.
- **Volunteering**: Recognised for serving as the Recruitment coordinator for the department and fostering strong industry connections, resulting in successful recruitment outcomes at Visvesvaraya National Institute of Technology.
- Mathematics for ML (DeepLearning.AI), Supervised ML (Stanford), Linear Algebra (JHU), Agile & Git (LinkedIn).

INTERESTS

Astronomy, Badminton, Fantasy books, Tabletop games,Technology,