

# Yugant Soni

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## Summary

Data Scientist with 3.5+ years' experience building ML systems that scaled operations to ₹300 Cr/month and raised on-time delivery to 85%. Skilled in **Python, PyTorch, SQL, AWS, Azure**, and **Streamlit**. Passionate about turning research prototypes into production pipelines.

## Experience

### Data Scientist — BigBasket, Bengaluru (Mar 2022 – Jul 2024)

- Developed demand-forecasting and route-optimization models driving ₹300 Cr/month in new-vertical revenue.
- Improved on-time delivery **60% → 85%** through SQL-based feature pipelines and AWS-hosted real-time scoring.
- Built store-level P&L simulators; enabled **44 locations** to reach profitability.
- Mentored **5 analysts** on experiment design and reproducible reporting.

### SDET — Cognizant, Bengaluru (Mar 2021 – Mar 2022)

- Engineered Java-based automation suites for a U.S. pet-retail app across 20+ releases.

### Research Assistant — Trent University, Oshawa ON (Dec 2024–Present)

- Research Assistant in the lab of **Dr. Raheleh Saryazdi** at **Trent University**
- Designed an **end-to-end full-stack platform** enabling automated workflow from **Audio Transcription to C-Unit Segmentation to Advanced NLP Analysis** to evaluate **VR vs. Tablet vs. Baseline (Picture Book)** interaction effects in older adults with dementia
- Analyzed a dataset of **28 participants** across a **2-month** study, each completing **twelve 1-hour sessions**, collected in collaboration with **Toronto UHN**
- Mentored **two students** on **NLP fundamentals** and **foundational model workflows**

## Projects

1. **GridSight (Ontario IESO)** — *Python, Azure Blob, Databricks, Delta Lake*
  - Real-time zonal energy-demand forecasting dashboards.
2. **Quantem** — *Streamlit, OpenRouter LLM, Alpha Vantage API*
  - AI-driven stock analysis and forecasting with back-testing and risk modeling and GENAI integration.
3. **ShopSync (Loblaws × OpenSesame Hackathon)** — *Next.js, Gemini API*
  - People's Choice Winner; social AI shopping agent generating purchase insights.

## Education

**M.Sc. Applied Modelling & Big Data Analytics** — Trent University (Sep 2024 – Dec 2025, Expected)

**B.E. Telecommunications Engineering** — Dayananda Sagar College of Engineering, CGPA 8.2/10

## Publication

Co-author — “*Designing VR Experiences for Elder Individuals with Dementia*,” Saryazdi et al., tentative publication Dec 2025.

## Accolades And Co – Curriculars

- Loblaws × OpenSesame Hackathon — Winner
- Recipient, Trent Research and Travel Grant — \$5,000
- Member, First Cohort of the Toronto School of Foundational Modelling — an invite-only, in-person lecture series at **New Systems Toronto** focused on **LLM design** and **ML systems**, taught by industry professionals from companies such as **Cohere, RunwayML**, and **Modal**

## Skills

Python • SQL • PyTorch • Transformers • AWS • Azure • Databricks • MLflow • Streamlit • Next.js • Feature Engineering • Forecasting • NLP • Experiment Design