

Shruti Venkataraman

Senior Data Scientist

Bengaluru, Karnataka · [Phone] · [Email] · [Website or LinkedIn]

PROFESSIONAL SUMMARY

Data scientist with seven years of experience building recommendation, pricing and demand forecasting models for e-commerce and quick-commerce businesses. Takes problems from framing to production with engineers, designs A/B tests to prove impact and mentors three junior data scientists. Works in Python, SQL, Spark and MLflow on cloud data platforms.

SKILLS

Machine learning in production · Recommendation systems · Demand forecasting · Experiment design and causal inference · Python, SQL, PySpark · MLflow and model monitoring · Feature stores · Stakeholder storytelling · Mentoring

EXPERIENCE

Senior Data Scientist — Quick-commerce grocery delivery company, Bengaluru

3 years · current

- Built store-level demand forecasts for over 5,000 products, reducing stock-outs and wastage of perishables across dark stores.
- Designed the experimentation framework for pricing tests, including guardrail metrics and a minimum detectable effect calculator.
- Shipped a frequently-bought-together model that raised add-on items per order in a controlled rollout.
- Mentor three data scientists through weekly reviews of problem framing, validation choices and model documentation.

Data Scientist — Online fashion retailer, Bengaluru

3 years

- Built a size recommendation model from returns and fit feedback, cutting size-related returns in the pilot categories.
- Developed a markdown optimisation model for end-of-season sales, tested against category managers' manual discounts.
- Moved training pipelines from notebooks to scheduled PySpark jobs with MLflow tracking and drift alerts.

Analytics Engineer — Market research and analytics firm, Chennai

1 year

- Automated survey weighting and segmentation in Python for consumer goods clients, replacing manual spreadsheet steps.
- Built a k-means customer segmentation that a beverage client used to plan regional promotions.

EDUCATION

M.Tech in Computer Science (Data Science) — National institute of technology, Tiruchirappalli

B.E. in Computer Science — Engineering college affiliated to a state university, Chennai

CERTIFICATIONS AND REGISTRATIONS

- Google Cloud Professional Machine Learning Engineer
- Causal Inference for Data Science, online course

PROJECTS

- Forecast accuracy review — built a weekly back-test report that made forecast errors visible to category teams
- Internal ML guild talk series — organised monthly sessions on experiment pitfalls and model monitoring

LANGUAGES

English · Tamil · Kannada