

Vrutti Tanna

✉ vruttiddt@gmail.com | 🔗 [LinkedIN](#)

PROFESSIONAL SUMMARY

Dynamic Data Scientist and AI Engineer with 8+ years of industry experience in predictive modeling, machine learning, Generative AI, and large-scale data engineering. Experienced Adjunct Faculty and Visiting Lecturer, having taught 300+ students globally across graduate, professional, and industry-level programs. Skilled at bridging academic learning with industry application by delivering hands-on, project-driven instruction in AI, Data Science, and Cloud technologies.

TEACHING EXPERIENCE

Adjunct Faculty – Data Science

Lithan EduCLaaS (via Ryzon) | Singapore (Remote) | Jun 2025 – Present

- Delivering live interactive lectures on Data Science, AI, and Machine Learning to global learners.
- Designed case-based curriculum integrating cloud platforms (AWS, Azure, Snowflake) with data science applications.
- AITP certified tutor.

Visiting Faculty – Data Science & AI

upGrad India | India (Remote) | 2023

- Conducted live interactive sessions for working professionals and fresh graduates.
- Delivered industry-focused lectures, mentoring students in applied machine learning and AI workflows.

Part-Time Faculty – Data Science & AI

upGrad India | India (Remote) | Oct 2020 – Jun 2022

- Trained cohorts of fresh graduates and working professionals in Python, Machine Learning, and AI.
- Evaluated student projects and mentored learners in transitioning into data-driven careers.

Independent Instructor (Freelance)

Superprof & Preply | Global (Remote) | 2020 – Present

- Delivered 1:1 and group-based training in Python, AI, Data Science, and Generative AI.
- Mentored 300+ students worldwide (academic, professional, and career changers).
- Teaching profiles:
 - Superprof: <https://www.superprof.ca/comprehensive-training-artificial-intelligence-generative-and-llms-for-all-levels.html>
 - Preply: <https://preply.in/VRUTTI6EN13283978>

INDUSTRY EXPERIENCE

Data Scientist & Engineer Consultant

Fugetron | Canada (Remote) | Nov 2023 – Present

- Integrated AI testing tools (TruLens, Pyrit, PromptFlow) to validate robustness, ethics, and factuality in LLM outputs.
- Built LLM-powered data pipeline assistant reducing SQL query generation time by 70%.
- Optimized ETL pipelines in Snowflake, improving performance by 35% and lowering costs.
- Designed Retrieval-Augmented Generation (RAG) pipelines with LangChain, boosting contextual accuracy by 35%.
- Orchestrated large-scale workflows using Airflow, Docker, and serverless AWS Lambda.

Senior Executive – Data Scientist

Cognizant | India | Dec 2021 – Aug 2023

- Developed NLP models to optimize customer support, cutting resolution time by 30%.
- Built time-series forecasting models for insurance, reducing policy cancellation risks.
- Developed RAG-powered document assistant ensuring secure conversational AI.

Senior Data Scientist

Cipio.AI | India | Apr 2021 – Nov 2021

- Designed ML solutions for customer retention and subscription conversion.
- Delivered churn and recommendation models, deployed via FastAPI.

Data Scientist

Cygnnet Infotech | India | Sep 2019 – Mar 2021

- Built supervised & unsupervised ML models for insurance and marketing campaigns.
- Deployed ML apps using Streamlit and Heroku, scaling adoption across teams.

Data Analyst

CU Rise Analytics | India | Jun 2017 – Oct 2018

- Built predictive models for customer segmentation and credit scoring.
- Designed PowerBI dashboards for credit card product campaigns.

Game Analyst / Data Scientist

Vihaa Technologies | India | Jun 2017 – Mar 2018

- Applied machine learning for churn prediction and personalized user experiences in gaming.

EDUCATION

- MBA in Decision Science – Shanti Business School, India (2017)
- BCA – HL Institute of Computer Applications, India (2015)

SKILLS

- Programming & Data Science: Python, R, SQL, TensorFlow, PyTorch, Scikit-learn
- Generative AI & LLMs: OpenAI, HuggingFace, LangChain, RAG, PromptFlow
- Big Data & Cloud: Snowflake, AWS, Azure, GCP, Spark, Hadoop
- ETL & Automation: Airflow, Azure Data Factory, Docker, Lambda, ECS
- Data Visualization: PowerBI, Matplotlib, Seaborn

ADDITIONAL INFORMATION

- Published Research: Role of Data Analytics in Kisan Credit Card for Sustainable Development – DOI: <https://doi.org/10.22214/ijraset.2021.35143>
- Awarded 2nd Prize at International Youth Symposium for research on AI in Mobile Games.