

Ankit Wahane

+91 9527287646 | ankitw497@gmail.com | [linkedin.com/in/ankit-wahane/](https://www.linkedin.com/in/ankit-wahane/) | [ankitw497.github.io/](https://github.com/ankitw497)

EDUCATION

Indian Institute of Science(IISc) <i>Master of Technology in Communication and network(ECE)</i>	Bangalore, Karnataka <i>Aug. 2018 – july 2020</i>
Vishwakarma Institute of Technology(VIT) <i>Bachelor of Technology in Electronics and TeleCommunication</i>	Pune, Maharashtra <i>Aug. 2012 – May 2016</i>

EXPERIENCE

Data Science Associate Consultant <i>ZS Associates, Bangalore</i>	July 2022 - July 2024
---	-----------------------

- **Drug Shortage Forecasting:** Developed a **transformer-based predictive model** to forecast potential drug shortages, integrating internal data and external sources, and leveraging **LLMs** to extract critical features from news articles. Prevented stockouts by identifying shortages **1-2 months** in advance
- **Pharmacy Order Prediction :** Built and deployed a model using **XGBoost and ALS** on **AWS** to forecast pharmacy orders, with a focus on retention and cross-selling. Employed **Azure OpenAI** model for enhanced explainability. This led to improved customer retention and increased sales by **10-15 percent**.
- **Bayesian Market Mix Model:** Created an **MMM** model for a retail client, attributing incremental sales to various marketing channels. Designed an **optimizer** for spend recommendations. Leveraged **GPT-3.5** to generate & compare scenario-based insights. Estimated **20-25 percent** revenue uptake through our recommendations.

Data Science Associate <i>ZS Associates, Bangalore</i>	August 2020 – June 2022
--	-------------------------

- **Lead Scoring for Med-Tech:** Developed and deployed a lead scoring model using **Random Forest** on **AWS SageMaker**, focusing on feature engineering and model optimization. The model achieved a recall of **80 percent**, significantly improving the identification of high-potential leads.
- **Airline Baggage Forecasting:** Designed a model using **CatBoost and ANN** to predict gate-checked baggage volumes, utilizing flight and passenger data. Enhanced the model through feature engineering and hyper-parameter optimization. Achieved a **10-15 percent** reduction in under-prediction of gate-checked bags.
- **Validating Product Narratives:** Orchestrated an end-to-end pipeline to verify the company's Strategic Product Narratives (SPNs) against real-world data. Deployed **NLI models**, PubMedBERT, on **Azure Databricks**. This process enhanced the credibility of product messaging and guided strategic adjustments as needed.

Machine Learning Intern <i>Apra Labs, Bangalore</i>	May 2019 - July 2019
---	----------------------

- Created a gaze capture iOS app to collect gaze data and trained a model to **estimate gaze location**. Utilized the model to develop an **iOS game and a driver safety application**.

Engineer in Automobile Business Unit <i>Tata Elxsi, Bangalore</i>	August 2016 - May 2017
---	------------------------

- Handled RTOS operations and coordinated different system services and OS calls (IPC) for Audio Amplifiers.

SKILLS AND TECHNOLOGIES

Core Competencies: Machine Learning, Deep Learning, Generative AI, MLOps, Catboost/XGboost, NLP, BERT, Transformer, GPT, LLMs, LangChain, Ollama, RAG, Agents, Computer Vision, Image Processing, Diffusion, Linear/Non Linear Optimization, Bayesian Statistics

Developer Tools: Python, SQL, Scikit-learn, Git, Google Cloud Platform, Databricks, AWS, Azure OpenAI, Pyspark, Pytorch, Keras, JAX

RECOGNITION AND AWARDS

Fostering ZS Culture (Mar 2024): For fostering ZS culture during the Next Best Order project.

BHC Project Award (Nov 2023): For developing a MMM and budget optimization for a retail chain.

Ingenious Award (Aug 2023): For leadership in fostering growth in the Beyond Healthcare domain.

Going Above and Beyond: For exceptional dedication and performance, awarded during AI Summit 2022.

Project Champion Award(Aug 2022): For contributions to the "UA - Airport Predictive Operations" project.

Impact Award (October 2021): For performance in the "Amgen Medical SPN Analytics - POC" project.