

Ankit Wahane

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EDUCATION

Indian Institute of Science(IISc)

Master of Technology in Communication and network(ECE)

Bangalore, Karnataka

Aug. 2018 – july 2020

Vishwakarma Institute of Technology(VIT)

Bachelor of Technology in Electronics and TeleCommunication

Pune, Maharashtra

Aug. 2012 – May 2016

EXPERIENCE

Data Science Associate Consultant

July - 2022 - Present

ZS Associates, Bangalore

- Designed and implemented a predictive model using **transformer** to forecast drug shortages. Aggregated internal and external data, with **LLMs** extracting critical features from news sources. Resulted in early detection of national drug shortages with a **lead time of 1-2 months**.
- Constructed a predictive model using **XGBoost and ALS** to forecast pharmacy orders for retention and cross-selling. Deployed the model end-to-end on **AWS** infrastructure and utilized **OpenAI** for model output explainability. Achieved improved sales efficiency and enhanced customer experience.
- Developed a **Bayesian Market Mix Model** and **budget optimizer** for a retail chain. Evaluated marketing impact and optimized channel spend. Utilized **GPT-3.5** to summarize recommendations and compare scenarios. Estimated **20-25 percent** revenue uptake through our recommendations.

Data Science Associate

August 2020 – June 2022

ZS Associates, Bangalore

- Developed and deployed a **predictive lead scoring model** for a med-tech device manufacturer using **AWS SageMaker**. Implemented feature engineering and selection processes. Resulted in enhanced lead targeting and optimized resource use, **increasing conversion rates**.
- Formulated a ML model using **CatBoost and ANN** to forecast gate-checked bags for an airline, leveraging flight and passenger data. Executed feature engineering and model optimization to improve prediction accuracy. Achieved a **10-15 percent** reduction in under-prediction of gate-checked bags.
- Orchestrated an end-to-end pipeline to extract insights from various data sources using **NLI models** like PubMedBERT on **Azure Databricks**. Enhanced decision-making and identified critical insights for strategic product narratives (SPN).

Machine Learning Intern

May 2019 - July 2019

Apra Labs, Bangalore

- 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

August 2016 - May 2017

Tata Elxsi, Bangalore

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

SKILLS AND TECHNOLOGIES

Field of Interest : Machine Learning, Deep Learning, MLOps, NLP, BERT, Transformer, GPT, LLMs, LangChain, RAG, Agents, Computer Vision, Image Processing, Diffusion, Linear/Non Linear Optimization, Bayesian Statistics
Developer Tools: Git, Google Cloud Platform, Databricks, AWS , 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.