

Abhijeet Anand

✉ abhizep24@gmail.com

☎ +91 9142782386

in abhijeetanand

🌐 Portfolio

Education

Indian Institute of Technology Roorkee
B.Tech in **Mechanical Engineering**

2020 - 2024

Delhi Public School, Bokaro Steel City
CBSE, Intermediate: (96%), Matriculate: (92.4%)

2020

Experience

Zepto

Bengaluru

Data Scientist II

June 2024 – Present

- Designed and deployed a Reinforcement Learning–based **Multi-Armed Bandit** framework for dynamic city × SKU pricing, automating exploration–exploitation and delivering a **1.7% OPD lift** and **1.2 Rs GPPO gain**.
- Developed a **Bayesian Hierarchical Model** to estimate SuperSaver price elasticity from historical data, and validated through experiments on recommended prices, leading to a **0.5 Rs GPPO increase**.
- Fine-tuned **Distillbert-based NER model** for real-time query segmentation, achieving **89% accuracy** and extending from a cached 35 Lakh base to real-time segmentation of products, brands for **2.5Cr+ queries**.
- Built a tree-based **User × Category Premiumness Model** [🔗](#) to classify users with limited purchase history into premiumness cohorts, increasing coverage of high-value first-time buyers for recommendation ranking.
- Derived Store × Category Premiumness signals from user-level cohorts, enabling data-driven SKU onboarding decisions and reducing overstocking of premium SKUs at store level.

Data Scientist I

- Built a Churn Prediction Model using Spark XGB Classifier to proactively target users with coupons before churn, driving a daily increase of **40,000 orders** with no GP loss.
- Enhanced the Buy-Again Widget by incorporating user ATC, clicks, and views into an XGB LTR model, improving **CTR by 10%** for FTB and ELC cohorts.
- Applied **Causal ML** with Double Machine Learning to construct a user-receivable sensitivity model for targeted interventions.
- Tech Stack:** PySpark, SQL, Python, Kafka, Databricks, AWS, Streamlit, Shap, Large-scale system design

Timely.AI

Remote

Data Science Intern

Jan 2024 – Mar 2024

- Built an Image Aesthetics Classifier using semantic segmentation, automating manual image filtering.
- Deployed the Image Classifier Model and automated model retraining through GitHub Actions.

FilterPixel Inc.

Remote

Machine Learning Intern

Aug 2023 – Oct 2023

- Built **FilterPixel Edits**, a Lightroom plugin that learns from XMP data to automatically edit RAW images.
- Developed an Image Culling Tool using LBP, DD-Net, and CAG-Net, integrating automated pipelines for image acquisition, processing, and validation.
- Tech Stack:** Python, Neural Networks, Google Cloud Platform, Data Structures and Algorithms,

Projects

Eye Desktop - AI-Powered Photo Search System [Github](#) [🔗](#)

- Developed an AI-powered semantic photo search application using **SigLIP-512**, achieving **78% accuracy**.
- Engineered full-stack desktop application with **FastAPI** backend, **React** frontend, and **PyTorch** ML pipeline, optimizing vector similarity search using **FAISS**, achieving sub **100ms search latency** on 10,000+ images.

Achievements

- Fast-tracked to **Data Scientist II** at Zepto in just 9 months (typical timeline-18 months).
- Zepto Spotlight Award for the month of July 2024 for making a significant impact.
- AIR 3159 in JEE Advanced (2020) among 250K candidates.
- AIR 6702 in JEE Main (2020) among 1.2M candidates.