

Mihir Upadhyay

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Education

New York University, Center for Data Science, New York, US

Sep 2024 - May 2026

Master of Science, Data Science

Member Graduate Community-Building Group NYU

Indian Institute of Technology BHU, Varanasi, India

Jul 2017 - May 2021

Bachelor of Technology, Chemical Engineering

GPA 8.68/10

Member Club of Programmers IIT BHU, Member Cultural Council IIT BHU, NTSE Scholar

Technical Skills

Languages: Python, Java, C, C++, SQL, JavaScript, Bash

Tools & Frameworks: PyTorch, TensorFlow, NLTK, OpenCV, Keras, ReactJS, AWS S3, Docker, Tableau, Git, Jira, Confluence, Jenkins, MongoDB, Kubernetes, FastAPI, Hugging Face, WebSockets, REST APIs

Technologies: Cloud Computing, Product Lifecycle Management, ETL Pipelines, CI/CD

Professional Experience

Flixstock

Gurugram, India

Technical Product Manager

Oct 2022 - Sep 2023

- Developed FlixLite to update catalogs using StyleGAN2 and DensePose-RCNN, boosting NRR by 2%.
- Launched Flix+ for custom background generation using the BLIP2 model, acquiring 15 new clients.
- Redesigned underperforming ML pipelines, reducing error rates by 30% and total runtime by 60%.
- Designed and implemented A/B tests for the flagship product, reducing churn by 10 basis points.

Standard Chartered Bank

Bengaluru, India

AI/ML Analyst - Truera

Mar 2022 - Sep 2022

- Devised a predictive fraud monitoring system for CCMS data using ARIMA, achieving 95% accuracy.
- Architected Truera tool onboarding with Jenkins, OpenShift, and automated Jira failure alerts.
- Guided 5+ teams on product features, improving user data analytics accuracy by 15%.

Techno Banker

Jul 2021 - Feb 2022

- Created APIs to identify and flag unused tools for decommission, saving costs for 15 virtual machines.
- Designed a Spring-based Client Tracker with WebSocket chat, boosting service promotions by 1.5x.

Software Development Intern

May 2020 - Jul 2020

- Spearheaded an XGBoost classifier for credit card fraud detection, achieving an AUC of 0.92.
- Created SQL and Tableau visualizations for key KPIs, cutting manual reporting time by 4 hours.

Academic Projects

Dog Breed Classification

Jul 2023 - Aug 2023

- Constructed a deep learning model using MobileNet V2 to classify 120 dog breeds from images, employing data augmentation and transfer learning for improved performance. [Github](#)

Programming tag Generator

Apr 2023 - Jun 2023

- Analyzed 400,000+ Quora questions using NLP and TF-IDF to generate programming tags, improving question categorization with multilabel classification. [Github](#)

Facial Recognition and Emotion Detection

Sep 2022 - Jan 2023

- Implemented a CNN model to detect emotions from images using the "fer2013" dataset, incorporating data augmentation and hyperparameter tuning. [Github](#)

Awards and Achievements

- Won the Standard Chartered Best Newcomer Project competition out of 45+ teams. **Sep 2021**
- Appointed as Mentor and Secretary for Western Music Club IIT BHU. **Aug 2019**
- Ranked 5,407 out of over 1.5 million students in the JEE Advanced exam. **May 2017**