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Mihir Deo

Boston, MA | mihirdeo16@gmail.com | 213-272-3991
| mihirdeo16.com | [LinkedIn](#) | [GitHub](#)

Education

Northeastern University 2022 - 2024

Master of Science in Analytics, Applied Machine Intelligence.

GPA: 4.0

- *Relevant coursework:* Probability & Statistics, DBMS, Data Visualization, Fundamental of AI, and Statistical Analytics.

Pune University 2016 - 2020

Bachelor of Engineering, Electronics, and Telecommunication.

GPA: 3.3

- *Capstone Project:* Improved IoT device communication efficiency using reinforcement learning multi-arm bandit.
- *Relevant coursework:* AI, Machine Learning, Object Oriented Programming, Data Structures & Algorithms, Python.

Skills

- **Programming:** Python, R, SQL, JavaScript, Bash, Pytorch, TensorFlow, React, Pandas, Scikit-learn, Hugging Face.
- **Technologies:** Docker, Git, Linux, CICD tool, Google Cloud, Kafka, Airflow, Tableau, AWS Sagemaker, MLOps.

Work Experience

FluidAI

April 2021 -

August 2022

Data Scientist—Python Developer



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such as data pipelines, model registry, and drift analysis. A sample of the product broadcast on [youtube/qozD2VX1aoU](https://youtube.com/qozD2VX1aoU).

- Architect a hybrid product recommendation engine for an insurance company with a 145,000 consumer base, using the deep learning PyTorch framework to boost sales. Also led the team and managed stakeholder communication.
- Constructed a financial document scanning system using Kafka, Hugging face framework with API integration, to improve workflow and boost processing time.
- Programmed a python library [fluidai-sanatio](#) for post-model analysis using python tools Numpy, stats-models, and pandas as well as integrated CICD to achieve a 200% boost in data scientist's flow.
- Created a gradient algorithm-based loan delinquency model using the TensorFlow framework, and SQL to assess the risk at the forefront for banks, and help businesses make data-driven decisions.

ShyenaTech

March 2021 - April 2021

Data Scientist Intern - Computer vision

Pune, India

- Engineered an end-to-end flow of animal presence detection system using Open-CV, Tensorflow, MongoDB, and Rabbit-MQ framework to help secure the wildlife sanctuaries.

Projects

- **A/B Testing library - (ab-testing-analysis)** Developed an ab testing analysis library, with CICD integration, and Sphinx documentation allowing data analysts and scientists to extract the result of an ab test experiment. *Source* - ab-testing-analysis.rtfid.io.
- **Handwritten Text Recognition System with transformer model** Built an API-based application to detect the text, using a Hugging



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forecasting analysis with the trend, and seasonality diagnosis using scikit-learn and prophet the python library. *Source - kaggle.com/rihim421/time-series-forecasting-with-fbprophet.*

- **Data visualization dashboard** Created a series of interactive data visualization dashboards using python, R, and software tools to tell stories from data for businesses to gain new insight. github.com/mihirdeo16/data_visualization_dashboard.

Extra-curriculum activities

- Member of the [Data Science Club, Northeastern University](#) - [Gave a seminar on A/B testing](#).
- Secretary of the Cultural Club in college, Pune University - Organized events and anchored the annual cultural fest.