

MIHIR THAKUR

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EDUCATION

Arizona State University, Master of Science in Computer Science Aug 2023 - May 2025
Relevant Coursework: Statistical Machine Learning, Topics in NLP, Data Visualization GPA: 4/4

Bachelor of Engineering, Computer Science, University of Mumbai Aug 2018 - May 2022
Relevant Coursework: Data Structure, Algorithms, Machine Learning GPA: 9.63/10

SKILLS

Technical Skills	Data Structures, Algorithms, OOPS, Python, SQL, Javascript
Frameworks/Libraries	ReactJS, NodeJS, HTML/CSS, Scikit-learn, PySpark, Pytorch, MLFlow
Others	Git, Github, VerticaDB, Azure, Databricks, Linux, REST API, MySQL

EXPERIENCE

LTIMindtree Jun 2022 - Jul 2023
Data Scientist *Pune, India*

- Implemented data science use cases for one of the top private banks in India, leveraging data-driven insights to drive business decisions.
- Performed data wrangling and exploratory data analysis on large datasets comprising 100M records from multiple datasets, and trained tree-based machine learning models to predict commercial vehicle sales.
- Presented successful proof-of-concept demonstrations that secured stakeholder approval.
- Built end-to-end machine learning pipeline in Databricks, facilitating scheduled batch predictions.
- Redesigned approach for predicting delinquent customers to achieve accuracy of 89%
- Collaborated with stakeholders for interconnectivity testing and troubleshooting of Azure Services.

Innovatiive Creators Sep 2021 - Nov 2021
Software Intern *Mumbai, India*

- Developed three mobile applications using Flutter and Firebase and deployed them for 500 individuals.
- Established online presence for financial startup by building web application.

PROJECTS

Benchmarking and Fairness Estimation of Chest X-ray — Computer Vision, Pytorch, Transformers, Linux

- Fine-tuned SOTA Computer Vision transformers and REMEDIS self-supervised model on Chest X-ray images for a comparative study.
- Performed Gender Bias analysis and OOD Detection on Images from hospital in China with an accuracy of 87%.
- Obtained CITI certification for handling sensitive medical data.

Language and Robotics — NLP, Pytorch, Transformers, CLIP, GPT2, Linux

- Fine-tuned CLIP model to predict actions for robot from natural language instructions and image features.
- Fine-tuned GPT2 model to summarize robot actions obtaining ROUGE score of 0.62.

Remote Patient Management and Data Analysis — C#, Javascript, NodeJS, React, HTML, CSS, IoT

- Led project development by creating timelines and assigning tasks.
- Configured Arduino microcontroller to receive data from sensors and transmit it to the cloud using message queuing protocol.
- Designed data flow and extracted meaningful insights accelerating diagnosis and providing real-time updates.

ACHIEVEMENTS

- Ranked 27th on AWS Bugbust 2021 which set a Guinness World Record.
- Microsoft Certified: Azure Fundamentals.