

VIBHAV MISRA

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems	New York City, NY
Master of Science (MS) in Data Science Concentration: Data Science and Analytics	May 2026
Chandigarh University, Apex Institute of Technology	India
Bachelor of Engineering (BE) in Computer Science with a specialization in Artificial Intelligence and Machine Learning	June 2024

PROFESSIONAL EXPERIENCE

EdMyst Inc.	Lewes, DE
Data Science Intern	June 2025 – September 2025
<ul style="list-style-type: none">Designed and documented a personalization system for an AI coaching platform (Edy), integrating onboarding data, session performance, behavioral metrics, and feedback into a long-term user memory, with supporting architecture and data flows using MongoDB, AWS S3, Lambda, and LLM prompt injection.Developed and tested a real-time video chunking and upload pipeline using WebRTC, Node.js, and AWS S3 multipart uploads, enabling seamless video transfer and future analytics integration.	

ACADEMIC PROJECTS

Real-Time NYC Subway Tracker (Expected Completion: September 2025)	July 2025
<ul style="list-style-type: none">Developing an interactive map to visualize live J/Z/M train movements using MTA GTFS real-time feeds and static GTFS shapes.Implementing train position interpolation and smooth animations on Leaflet.js to simulate train travel between stations.Planned features include predictive arrival notifications and “Will I catch that train?” functionality.	
BioML	January 2024 - April 2024
<ul style="list-style-type: none">Developed a disease prediction web app using Flask and ML models with 90%+ accuracy, enabling real-time predictions for 133 symptom categories.Led a team of four to build a responsive user interface using HTML, CSS, and JavaScript, integrating a predictive model utilizing Python, NumPy, and Scikit-Learn and deployed the application on Vercel, enabling real-time disease prediction.	

SIMULATED INDUSTRY PROJECT

British Airways Data Science Job Simulation	Forage - November 2024
<ul style="list-style-type: none">Scraped and analyzed over 1,000 customer reviews using sentiment analysis techniques to uncover key insights, with 62.2% of reviews being positive and common themes centered around service, flight delays, and amenities.Built a predictive model using Random Forest to identify key factors influencing booking completion, achieving an accuracy of 85%.	

TECHNICAL SKILLS

Programming: Python, SQL, R, React, JavaScript
MLOps & Experiment Tracking: MLflow, Model Registry, Experiment Tracking
Cloud Platforms: AWS (S3, Lambda, EMR on EC2)
ML & AI: Supervised & Unsupervised Learning, Neural Networks, Time Series Forecasting, Generative AI (OpenAI API)
Data Science & Analytics Tools: Pandas, NumPy, Scikit-Learn, TensorFlow, Prophet, Keras, Jupyter Notebooks, Anaconda
Big Data & Databases: MySQL, MongoDB, HBase, Neo4j, Hadoop (HDFS, MapReduce), Apache Spark
Data Visualization: Power BI, Looker (dashboards, basic LookML modeling), Tableau, Matplotlib, Seaborn, Excel

CERTIFICATIONS

Mathematics for Machine Learning and Data Science Specialization (Linear Algebra for Machine Learning and Data Science, Calculus for Machine Learning and Data Science, Probability & Statistics for Machine Learning & Data Science)	Coursera – October 2023
Natural Language Processing Specialization (NLP with Classification and Vector Spaces, NLP with Probabilistic Models, NLP with Sequence Models, NLP with Attention Models)	Coursera – May 2023
Applied Data Science Specialization (Python for Data Science, AI & Development, Python Project for Data Science, Applied Data Science Capstone, Data Visualization with Python, Data Analysis with Python)	Coursera – July 2022

ACADEMIC ACHIEVEMENTS

- Part of the pilot batch for the online BSc Degree in Programming and Data Science offered by Indian Institute of Technology Madras.
- Completed the 8 Foundational Level Courses (32 credits) and earned a Foundational Certificate from CODE, IIT Madras.
- Progressed through Diploma Level courses – Including: Machine Learning Foundations, Business Data Management, Machine Learning Techniques, Business Analytics and Tools in Data Science. Transitioned to Master's program in the USA before completing the Diploma Level.

LANGUAGES

English (Fluent), Hindi (Native)