Himanshu Randad

Boston, MA

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EDUCATION

Northeastern University	**Boston, MA**
Master of Science in Data Analytics and Engineering	*Aug 2023 - May 2025*

Coursework: Natural Language Processing (NLP), Generative AI, Machine Learning, Data Warehousing and Integration

Savitribai Phule Pune University	**Pune, India**
Bachelor of Technology in Information Technology	*Aug 2017 - May 2021*

Coursework: Artificial Intelligence, Big Data Analytics, Database Management System, Data Warehouse and Data Mining

PROFESSIONAL EXPERIENCE

Wipro Limited	**Pune, India**
Data Analyst	*Aug 2021 – Aug 2023*

- Amplified development of ETL workflows using AWS Glue and AWS Lambda to process and manage datasets exceeding 1M+ records, resulting in streamlined data preparation processes and ensured consistent across departments
- Developed Key Performance Indicators (KPIs) to monitor sales performance and conducted a comprehensive market analysis, resulting in a 21% increase in sales and a 13% reduction in costs by data insights with SPSS and Minitab
- Analyzed historical inventory data using Spreadsheets, identifying trends and patterns for inventory optimization at 4 business sites
- Charted Risk Assessment document for 3+ UATs using MS-Excel to outline risks involved in each business requirement
- Validated test scripts and provided comments on SynapseRT (Jira plugin) to enhance quality of scripts by 50%
- Planned and coordinated training activities for a cross-functional team of 10 by conducting sessions on IRT system, test management tools, study-specific & process-related documents and URS documents to boost employee productivity

Rahitech Solutions	**Pune, India**
Data Scientist	*Aug 2019 – Mar 2020*

- Conducted comprehensive statistical analysis on 100000+ records of diverse weather parameters to identify variations among weather data providers, utilizing insights to facilitate smooth transition between different weather data providers
- Created Tableau dashboards to monitor loan performance, driving data-informed decisions for a $9B+ asset portfolio
- Trained an encoder/decoder grammar error correction model using synthetic methods; outperformed open-source baseline by 92%
- Transformed sensor data analysis, threshold adjustment, and anomaly detection through automation, achieving an 80% speed improvement, and mitigated human error risk by 40% through Python script scheduling

SKILLS AND CERTIFICATION

- **Languages:** Python, R, C++, SQL
- **Frameworks & Libraries:** Flask, Django, Spacy, PyTorch, Tensorflow, LangChain, Keras, OpenCV, Rasa, Numpy, Pandas, Scikit-Learn, Matplotlib, Seaborn, Apache Airflow, Apache Spark, Apache Kafka, LangChain
- **Visualization Tools & Development:** Power BI, Tableau, D3.js, Git, Jira, Docker, Microsoft Office, Microsoft Excel, Looker
- **Databases:** MySQL, PostgreSQL, MongoDB, ChormaDB, Pinecone, NocoDB
- **Certifications:** Career Essentials in Data Analysis – Microsoft, DeepLearning.AI Data Engineering Professional Certificate

ACADEMIC EXPERIENCE

PayParity: Predicting and Addressing Inequality, **Northeastern University**	**Boston, MA**

- Architected a machine learning model to predict whether individuals earn over $50k annually using census data (age, education, occupation, marital status, etc.), aiming to identify and address systemic financial inequalities

NeuroSignal: Advanced EEG-Based Seizure Detection, **Northeastern University**	**Boston, MA**

- Engineered EEG classification models with Logistic Regression and CNN to detect epileptic seizures, achieving 92% accuracy by preprocessing CHB-MIT and Bonn datasets to extract temporal and frequency-specific features for precise diagnosis.

AI-Powered Fitness & Resume Assistant, **Northeastern University**	**Boston, MA**

- Developed an AI-powered app with Streamlit, LangChain, and GPT-4 for automated fitness coaching, meal planning, and resume optimization, leveraging structured tools for zero-shot, context-aware interactions

ByteMind – AI-powered Business Intelligence, **Northeastern University**	**Boston, MA**

- Crafted GenBI, an AI-powered business intelligence tool using LangChain, Streamlit, and Matplotlib, enabling 100+ conversational data analyses and real-time visualizations with ChatGPT, Hugging Face and Gemini integration