

Bhoomi Piyush Thakar

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EDUCATION

Northeastern University, Boston, MA

September 2022 - May 2024

Master of Science in Data Analytics

Relevant Courses: Machine Learning, Data Mining, Data Management

Pune University, India

August 2017- May 2021

Bachelor of Technology in Computer Science

Relevant Courses: Data Structures, Data Visualization, Artificial Intelligence

PROFESSIONAL EXPERIENCE

Accenture, India

June 2021 - June 2022

Data Engineer

- Deployed end-to-end ETL data pipelines in Azure Data Factory, reduced 25% in data processing time, ensured efficient data integration and transforms data into structure output for analytics in a robust, efficient and scalable framework
- Leveraged Azure Data Lake as cloud-based infrastructure solution, led to 40% decrease in data retrieval latency, optimized data access, resulted in quicker analytical insights
- Engaged closely with data scientists and machine learning engineers, provided curated datasets, improved predictive model accuracy by 15% due to integration of high-quality data
- Proactively ensured prompt detection, reporting, and mitigation of potential security breaches, developed comprehensive incident response plan, reduced incident resolution time by 30%
- Collaborated effectively with cross-functional product engineering teams, identified KPI's, resulted in 10% increase in user engagement, enhanced dashboards in Power BI, improved business acumen and delivered business requirements

Proost Solutions, India

March 2020 - January 2021

Data Analyst Intern

- Spearheaded comprehensive data pre-processing and refinement using Alteryx, meticulously addressed missing values, standardized formats, and pinpointed outliers, achieved data consistency and elevated an impressive 87% accuracy
- Engineered data processing revolution by implementing feature selection techniques and dimensionality reduction algorithms, culminated remarkable 30% acceleration in processing time
- Unveiled robust positive correlation of 0.75 between patient age and re-admission rates using correlation analysis in Python, showcased insights via Tableau visualizations reports, translated intricate data into actionable business solutions for stakeholders

ACADEMIC PROJECTS

Predicting Cardiac Arrest - Data Scientist

January 2023 - March 2023

- Assembled audio dataset from medical library utilizing Librosa package for audio classification and audio simplification
- Utilized libraries like Tensorflow, Keras, scikitlearn, pandas, Pytorch to generate results and graphs for analyzing the model
- Evaluated a Convolutional Neural Network model (CNN), the sampling rate was set, applied Mel Frequency Cepstral Coefficient filter was for features extraction of the audio, they were finally down sampled, got model accuracy of 85%
- Implemented Statistical Analysis algorithm and made dashboard in Tableau to gain insights on how well model works

Customer Behavior Analysis for an Online Retailer – Data Analyst

September 2022 - December 2023

- Utilized Python's Pandas library to clean dataset, resolved missing values, inconsistencies resulted in dataset with 98% accuracy
- Leveraged Python's Matplotlib, Seaborn and SQL Queries, visualized sales trends, enabled identification of top-selling products and categories, recognized products contributing to 60% of revenue guiding customer engagement and behavior
- Applied Apriori algorithm, discovered product associations, enhanced cross-selling opportunities, increased customer satisfaction

SKILLS

Programming Languages:

Python, R, SQL, Scala, Java, C, NoSQL, PL/SQL, PostgreSQL, Mongo DB

Analytical & Reporting Tools:

Tableau, Power BI, R Studio, Advance Excel, Statistical Analysis, Vlookup, Qlik Sense, Looker

Framework & Tools:

Databricks, Google Cloud Platform, AWS, Azure, Apache

Certification:

Google Data Analytics, Coursera Python, Coursera Deep Learning, PMP Certification

Interpersonal Skills:

Strong networking and collaborative skills, Analytical skills, Attention to detail, Organizational skills, project management skills