

AMITESH TRIPATHI

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EDUCATION

Northeastern University, Boston, USA

Expected May 2024

Master of Data Analytics Engineering

Relevant Coursework: Foundations of Data Analytics, Data Management for Analytics, Data Mining, Data Computation and Visualization, Machine Learning

Rajiv Gandhi Technical University, Bhopal, India

Aug 2017 - May 2021

Bachelor of Computer Science Engineering

Relevant Coursework: Programming for Analytics, Analysis & Design Algorithms, Database Management & Design, Business (Data) Visualization, Data Warehouse and Mining, Machine Learning, Artificial Intelligence

TECHNICAL SKILLS

Languages: Python, R, MATLAB, Java, C++, JavaScript, SQL

Analysis Tools: Tableau, Power BI

Python Libraries/Tools: TensorFlow, Scikit-Learn, NumPy, Pandas, Keras, PyTorch, SciPy, Matplotlib, Seaborn, SNS

ML Algos: Logistic Regression, Linear Regression, Random Forest, K-means, KNN, SVD, SVM, Neural Networks, Naïve Bayes

Database: MySQL, PostgreSQL, SQL Server

Development Tools: Eclipse, JIRA, VS Code, Bitbucket/GitHub, IBM Data Studio, GIT/SVN, Jenkins

Cloud Platforms: AWS, GCP (BigQuery, Data Studio, Dataflow), Azure (ADF, SQL Database, PostgreSQL, MySQL)

EXPERIENCE

Capgemini Technology Services India Ltd, Chennai, India

Jul 2021 - Aug 2022

Data Analyst

- Spearheaded the creation and implementation of cutting-edge machine learning models employing Keras and PyTorch to optimize business processes, resulting in a remarkable 35% increase in operational efficiency
- Streamlined the extraction, transformation, and loading (ETL) procedures for data using tools such as Talend, leading to a significant 25% reduction in data processing time
- Employed Python's Scikit-learn library to apply advanced predictive analytics, enhancing the customer retention rate by an impressive 20%
- Developed visually captivating dashboards and reports using Tableau and Power BI for senior management, contributing to strategic decision-making processes
- Leveraged cloud platforms like AWS and GCP for secure and scalable data storage and processing

Aasmo Digital Pvt. Ltd., Indore, India

May 2020 - Feb 2021

Jr. Data Analyst

- Pioneered the utilization of SQL and NoSQL databases (MySQL, PostgreSQL, MongoDB) for intricate data retrieval and manipulation tasks, resulting in a notable 30% improvement in database response times
- Conceptualized and developed an AI-powered recommendation system employing collaborative filtering algorithms, driving a substantial 25% increase in sales
- Utilized statistical software like R to conduct quantitative analyses and hypothesis testing, enabling evidence-based decision-making
- Guided data-driven initiatives aimed at identifying and capitalizing on trends within vast datasets using Hadoop and Spark frameworks
- Employed Agile methodologies and tools such as JIRA for efficient project management, enhancing team productivity and ensuring timely delivery

RELEVANT PROJECTS

Stock Sentiment Analysis Using News Headlines: Utilized NLP models that categorize the data into two classes: 1 (indicating positive sentiment) and 0 (indicating negative sentiment), based on the public's reaction to the news headlines.

Bank Note Authenticator: Created original and fake currency notes detector, expanded with dockers. Flask framework is leveraged for front-end, and ML models were developed in Jupyter Notebooks. Pickled to use in Flask and Flaskgger

IPL Score & Win Predictor: Predicted loss/win of a team based on score, utilized features such as players, venue, team against, etc, and applied Regression Algorithms. Deployed project using Heroku, done basic styling