Amitesh Tripathi

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SUMMARY

As a Data Analytics postgraduate with experience at Capgemini and Aasmo Digital, I've honed my machine learning, ETL optimization, and Data Visualization skills. Proficient in Python, R, Tableau, and SQL, I'm now seeking an internship to leverage my data-centric skills further.

EDUCATION

Northeastern University, Boston, USA   **Expected May 2024**
Master of Data Analytics Engineering   *3.6 CGPA*
Courses: Data Mining, Machine Learning, Data Management for Analytics, Data Computation and Visualization

Rajiv Gandhi Technical University, Bhopal, India   **August 2017 - May 2021**
Bachelor of Computer Science Engineering   *8.8 CGPA*
Courses: Programming for Analytics, Analysis & Design of Algorithms, Database Management Design, Data Visualization, Data Warehouse and Mining, Machine Learning, Artificial Intelligence

TECHNICAL TOOLKIT:

- **Languages**: SQL, Python, R, Java, Bash, JavaScript, HTML-CSS, C++, React JS
- **Analytics**: Predictive Modeling, Machine Learning, Statistical Modeling, Feature Selection, Regression - Linear & Logistic, Hypothesis Testing, TF-IDF, A/B Testing, Principal Components Analysis (PCA), Clustering, Classification, Neural Networks, SVM, Decision Trees, Naïve Bayes, Regularization, Ensemble Models, Time Series
- **Tools and Frameworks**: Power BI, Tableau, MS Excel, MS PowerPoint, Google Analytics, Apache Airflow, Streamlit, Docker, PyCharm, VSCode, MS Word, SAS, Flourish, DataWrapper, JIRA, GitHub
- **Databases**: MySQL, Oracle Database, SQL Server, MongoDB, PostgreSQL, MapReduce
- Python Libraries/Tools: TensorFlow, Scikit-Learn, NumPy, Pandas, Keras, PyTorch, SciPy, matplotlib, Seaborn, SNS
- **Certifications**: Google Data Analytics Certificate
- **Competencies**: AI, ML, Computer Vision, Deep Learning, Software Development, Cloud Programming, CI-CD

EXPERIENCE

Capgemini Technology Services India Ltd   **Chennai, India**
Data Analyst   *July 2021 - August 2022*

- 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
- Utilized **Scikit-learn**, to employ predictive analytics, resulting in a remarkable **20%** increase in customer retention
- Developed 10+ captivating dashboards and reports with **Tableau** and **Power BI**, aiding strategic decision-making
- Leveraged cloud platforms like **AWS** for secure and scalable data storage and processing

Aasmo Digital Pvt. Ltd   **Indore, India**
Jr. Data Analyst   *May 2020 - February 2021*

- 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
- Engineered AI-driven recommendation system, boosted sales by **19%** using collaborative filtering algorithms
- Leveraged **R** for statistical analysis, hypothesis testing, enabling data-backed decision-making
- Championed trend-spotting and opportunity maximization in extensive datasets with **Hadoop** and **Spark** frameworks
- Employed Agile methodologies and tools such as **JIRA** for efficient project management, enhancing team productivity and ensuring timely delivery

PROJECTS

Text Summarizer *(Python, NLP, Flask, Docker):*
- Engineered a Python-based NLP model to condense long texts into short summaries, enhancing readability and information accessibility GitHub
- Deployed the model via a Flask app in a Docker container, boosting user engagement and ensuring easy distribution and scalability

Stock Sentiment Analysis *(Python, NLP, ML):*
- Developed a Python-based NLP and ML model, achieving 82% accuracy in predicting stock market trends from news headlines GitHub
- Transformed news headlines into actionable investment insights, enhancing the model's predictive power and translating text data into insights

IPL Score Prediction *(Python, Machine Learning, Flask):*
- Built an ML model in Python to predict IPL scores, providing valuable insights for sports analysts and IPL fans GitHub
- Deployed the model via a Flask app, enhancing user interaction with real-time score predictions and increasing the tool's accessibility

Ad Click Prediction *(Python, Data Analysis, ML):*
- Implemented a predictive model in Python to forecast ad clicks, assisting businesses in optimizing ad placements and maximizing ROI GitHub
- Conducted data analysis and feature engineering in Python, enhancing the ad click prediction model's accuracy and robustness

Heart Diseases Tableau Project *(R, Data Visualization, RStudio, RMarkdown):*
- Analyzed heart disease data using R, uncovering key patterns and factors associated with heart diseases, providing deep insights GitHub
- Generated comprehensive visualizations using R, effectively communicating complex data patterns in an easily interpretable form

Adult Income Dataset Visualization *(Tableau, Data Visualization, Data Analysis):*
- Explored adult income dataset using Tableau, revealing key trends in income distribution among different demographic groups GitHub
- Crafted an interactive Tableau workbook, enabling stakeholders to dynamically explore the data and gain insights into income patterns