YASHWANT DONTAM

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EDUCATION:

Northeastern University, Boston MA   **Sep 2023- May 2025**
Master of Science, Data Analytics Engineering
Courses: Data Management Analytics, Foundation Data Analytics, Data Mining in Engineering

Vellore Institute of Technology, Vellore, Tamil Nadu, India   **July 2018 - May 2022**
Bachelors of Technology, Electrical and Electronics Engineering
Related Courses: Python, Java For Beginners, Business Analytics for Engineers, Statistics for Engineers

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SKILLS:

Programming Languages and Visualization Tools: Python, SQL, R Language, Java, MATLAB, Postman, Word, Excel
Technical skills: Data Modelling, Exploratory Data Analysis, Machine Learning, Deep Learning, NLP, Statistical Analysis
Data Visualization Tools and Libraries: Power BI, Tableau, Matplotlib, Plotly, Seaborn, OpenCV, Dash
Database Management and Frameworks: MySQL, MongoDB, NumPy, Pandas

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PROJECTS:

Resale Refined: Data-Driven Predictions for Optimal Car Valuation, Northeastern University, Boston, MA
- Enhanced dataset quality by cleansing and applying statistical outlier detection, ensuring robust data integrity for advanced predictive modelling
- Developed a Gradient Boosting machine learning model, achieving a low prediction error rate of 7-10%, surpassing industry accuracy standards
- Demonstrated Artificial Intelligence enhanced model reliability with prediction errors consistently under 10%, enabling precise market price forecasts and data-driven strategic decisions

Record Management System, Northeastern University, Boston, MA
- Developed a Record Management System enhancing law enforcement data management, significantly improving data retrieval and processing efficiency
- Integrated modules for case records and administrative tasks, markedly boosting operational efficiency and data organization
- Implemented a secure, SQL-based system with role-based access, greatly strengthening data security and minimizing unauthorized access risks

ECommerce Customer Segmentation Data Analysis, Northeastern University, Boston, MA
- Implemented RFM analysis in an eCommerce dataset, segmenting 3,290 high-value customers for targeted marketing strategies
- Applied KMeans clustering, identifying a high-value cluster with an average monetary value of $294 billion for specialized marketing
- Formulated marketing plans for varied segments, notably re-engaging 1,082 lower-frequency customers, enhancing campaign effectiveness

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EXPERIENCE:

Wipro Limited, Hyderabad, India   **April 2022- July 2023**
Project Engineer
- Enhanced task management in the Assessment Manager system, improving efficiency by 35% and system reliability by 50% using Eureka and Hystrix
- Boosted task management efficiency by 30% and increased system resilience by 60% through the strategic integration of Eureka and Hystrix, ensuring 99.9% uptime and reliability in the Assessment Manager
- Improved application development with Spring Boot, Thymeleaf, and RESTful APIs, enhancing user experience by 25% and operational efficiency by 20%