

Dakshu Basavapatna Shivakumar

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EDUCATION

- **University of Massachusetts, Boston** Sep 2023 - Present
Master of Science in Business Analytics (Specializing in Machine Learning, AI Model Development, and Statistical Analysis)
Expected Graduation – May 2025
Relevant Coursework: Advanced Machine Learning Algorithms, Deep Learning Models, Predictive Analytics, Data Mining, Statistical Modeling, Neural Networks
- **Atria Institute of Technology, Bengaluru, India** Aug 2016 - Aug 2020
Bachelor of Engineering in Information Science
Relevant Coursework: Programming, Data Structures, Algorithms, Database Systems

RELEVANT PROJECT EXPERIENCE

Data Integration Analyst, Planview (Feb 2023 - May 2023)

- Built ML models with Python and SnapLogic to forecast project timelines, improving prediction accuracy by 40%
 - Implemented advanced SQL analytics to transform multi-source data, enhancing decision-making accuracy by 35%
 - Developed statistical dashboards in Tableau for real-time KPI tracking and pattern detection
 - Created automated ML pipelines for CRM data analysis, achieving 85% accuracy in predicting project outcomes.
- ### Junior Data Integration Analyst, NTT Data (May 2021 - Feb 2023)
- Designed Dell Boomi integrations processing 1M+ daily records, while implementing clustering algorithms to identify data patterns and optimize data flows, reducing processing time by 30%
 - Built automated ETL pipelines using Python and Dell Boomi, integrating data from multiple sources while reducing data cleaning time by 70%
 - Developed real-time anomaly detection models in integrated data streams, reducing false positives by 65% and improving data quality monitoring
 - Led integration architecture for predictive maintenance system, combining data from 5+ sources to enable ML models that reduced system downtime by 40%

NOTABLE PROJECTS

Advanced Analytics Portfolio (2023-2024)

Airbnb Price Predictor (2024)

- Developed ML model using Python to predict Airbnb prices based on property features and location data
- Created interactive dashboard for real-time price predictions with user-input features
- Implemented various ML algorithms to achieve optimal prediction accuracy

IMDB Top Movies Analysis Platform (04/2024 - 05/2024)

- Engineered a Python-based web scraping solution to analyze IMDb's top 1000 movies
- Implemented data storage solution and created interactive visualizations for trend analysis.

Retail Sales Predictor (2023)

- Developed time series forecasting models using Prophet and SARIMA for retail sales prediction
- Created interactive Streamlit dashboard for sales forecasting and inventory optimization

Data Visualization Portfolio (2023-2024)

- Developed end-to-end analytics solution for Airline Operations (50M+ rows), creating interactive Tableau dashboards that visualized delay patterns, route efficiency, and predictive insights for optimal scheduling
- Built comprehensive IMDB Movie Analysis dashboard (10,000+ movies) using Python and Tableau, incorporating ML models to predict box office success with 80% accuracy
- Created interactive Halloween Analytics platform analyzing demographic patterns across 100+ locations, resulting in actionable insights for retail planning and consumer behavior analysis

Automatic Traffic Violation System (05/2020 - 06/2020)

- Developed a full-stack solution using Python, SQL, and web technologies.
- Published research paper in IJIREEICE detailing the system architecture and implementation.

CERTIFICATIONS

- Full Stack Web Developer Using Java (2021)
 - Published research paper in IJIREEICE on Automatic Traffic Violation System
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SKILLS

- **Technical Skills:** Python (NumPy, Pandas, Scikit-learn, TensorFlow), SQL, Java, Tableau
 - **Machine Learning & AI:** Regression, Classification, Clustering, Neural Networks, Feature Engineering, Model Building.
 - **Tools & Platforms:** Git, Jupyter Notebooks, MySQL, Dell Boomi, SnapLogic
 - **Soft Skills:** Attention to Detail, Strong Communication
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EXTRACURRICULARS & LEADERSHIP

Data Science Community Member at UMass Boston

- Participated in weekly data science study groups, collaborating with peers on Python and ML projects
- Contributed to student-led data analytics blog, sharing insights and project experiences
- Actively engaged in data science hackathons and visualization competitions

Technical Writing & Contributions

- Published technical article about data science applications in everyday scenarios
- Participated in student research initiatives focused on data analysis and visualization
- Regular contributor to data science discussion groups and project collaborations