

Personal Information:

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- GitHub: <https://github.com/JayanthCSV>

Academic Background:

- Master's in Analytics (Applied Machine Intelligence), Northeastern University, Boston, MA (GPA: 3.8/4) - Expected Dec 2024
- Diploma in Software Engineering, European Open University, Mar 2022
- Bachelor of Technology in Mechanical Engineering (GPA: 3.04/4), Amity University, Jaipur, Rajasthan (Minor: Marketing Management), Aug 2017 - Jun 2021

Certifications:

- AWS Cloud Practitioner (CLF-02)
- Snowflake Core Pro (COF-C02)

Professional Experience:

1. **Graduate Research Assistant, Northeastern University** (Jan 2024 - Present)
 - Conducted sentiment analysis in financial markets using NLP models (TF-IDF, Bag of Words, FinBERT).
 - Extracted and managed data using BeautifulSoup, GCP BigQuery, PostgreSQL, and Airflow.
 - Improved model processing efficiency by 17%.
2. **Data Engineer Intern, Workstam, Irving, TX** (Apr 2024 - Jun 2024)
 - Built data pipelines using Python, Snowflake, AWS.
 - Developed Tableau dashboards, reducing data errors by 25% and improving efficiency by 35%.
 - Implemented real-time data streaming with AWS Kinesis, reducing latency by 40%.

3. **QA Automation Engineer, Finastra Software Solutions, Bangalore, Karnataka** (Jun 2022 - Dec 2022)
 - Increased automation coverage from 20% to 85% using Java and Selenium.
 - Implemented critical business flow automation in DevOps on Azure Cloud.
4. **Data Analyst Intern, Telangana State Power Generation Corporation Ltd.** (Aug 2021 - Feb 2022)
 - Conducted turbine efficiency studies using Solidworks, ANSYS, and SCADA systems.

Projects:

- InfoBuddy AI: Interactive chatbot using Streamlit, LangChain, ChatGroq API
- PDFChatMate: Conversational Q&A App using LangChain, HuggingFace, RAG
- Next Word Prediction: LSTM model for real-time word predictions
- Real Estate Agent Recommendation System: AI-powered recommendation system with NLP and real-time processing

Publications:

- "Sentiment Dynamics in Financial Markets: A Multi-Level Approach to Stress Analysis Across Diverse Communication Channels"
- "Assessing Racial Disparities in Real Estate Appraisals Across U.S. Metropolitan Areas"

Technical Skills:

- Tools: MySQL, NoSQL, PostgreSQL, Tableau, Power BI, Airflow, Jira, Apache Kafka, AWS (Glue, S3, Lambda, EC2), Snowflake, Azure, Docker, Databricks
- Programming: Python, Java, SQL
- ML/DL/AI: Regression, Classification, Clustering, CNN, ANN, RNN, NLP Techniques, GenAI, LLMs

Personal Interests:

- Professional Soccer Player: Played for Churchill Brothers FC
- Favorite Soccer Club: Manchester United FC
- Gym Enthusiast: Loves doing squats any day of the week

- Automobile: Enjoy to learn more about cars and motorcycles (Owns a KTM Adv 390)
- Music: Listens to Kanye West songs at the gym

Achievements:

- Cleared UPSC Combined Defense Services Examination (2021)
- Qualified Joint Entrance Examination (JEE Mains) (2017)
- Vice-Captain, Aerolith, Amity School of Engineering Technology
- Captain, Amity University Soccer Team (Led team to Inter-state trophy and Santosh Trophy runner-up)
- CPS Leaders and Scholars Award (\$6,000 Scholarship), Northeastern University
- Merit Scholarship, Amity University (50% tuition reduction)

Research Interests:

- Advanced machine learning applications in public policy, finance, and supply chain management
- Focus on adaptive and equitable systems for operational efficiency and resource fairness

Volunteer Experience:

- Student Head Coordinator for Sangatan Program 2019, organizing inter-college sports events with participants from over 20 universities

Languages:

- English (Fluent)
- Hindi (Fluent)
- Telugu (Native)