Steven Lagadapati

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PROFESSIONAL SUMMARY

AI & Data Enthusiast and Data Science graduate student with a strong passion for leveraging the transformative power of data and intelligent systems to solve real-world problems. Experienced in building end-to-end AI and data-driven systems, including machine learning models, predictive analytics solutions, and intelligent automation workflows. Proficient in Python, SQL, machine learning, deep learning, and data visualization, with hands-on experience developing solutions for financial forecasting, customer analytics, recommendation systems, and medical image classification. Skilled in transforming complex datasets into actionable insights through feature engineering, statistical analysis, and interactive dashboards. Passionate about exploring hidden patterns in data and building scalable AI applications, data pipelines, and intelligent full-stack systems that simplify complex challenges and drive data-driven decision-making.

TECHNICAL SKILLS

Programming Languages: Python, R, SQL

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Tableau, Exploratory Data Analysis (EDA), Statistical Analysis, Data Storytelling.

Machine Learning & AI: Scikit-learn, TensorFlow, PyTorch, Hugging Face, LightGBM, Deep Learning, Computer Vision, NLP, Predictive Modeling, Feature Engineering, Model Evaluation.

AI Systems & LLM Applications: Prompt Engineering, Retrieval-Augmented Generation (RAG), LLM Application Development, AI Workflow Automation (N8N).

Data Engineering & Tools: Docker, Git, GitHub, Data Pipelines, ETL Workflows.

Cloud & Deployment: Google Cloud Platform (GCP), Vercel, Streamlit.

PROFESSIONAL EXPERIENCE

Data Analyst Intern | Futures First | India   **May 2023 – Dec 2023**

- Analyzed futures and options market datasets to identify price trends, volatility patterns, and potential trading signals across global derivatives markets.
- Conducted exploratory data analysis (EDA) on financial time-series datasets using Python libraries such as Pandas and NumPy.
- Built analytical reports to support risk analysis and trading strategy evaluation.
- Processed and structured large financial datasets to improve data accuracy and decision-making efficiency.
- Assisted analysts in interpreting financial data insights into market forecasting and risk management.

PROJECTS

Retail Analytics & Customer Intelligence Platform

- Built an **end-to-end retail analytics system** to analyze customer behavior, predict churn, and optimize pricing strategies.
- Developed machine learning models for **customer churn prediction and segmentation**, enabling targeted retention strategies.
- Designed **interactive Streamlit dashboards** for real-time business insights and data-driven decision-making.
- Delivered analytical insights capable of identifying **$10M+ potential revenue optimization opportunities**.

  Tech: Python, Scikit-learn, Streamlit, Pandas

Anime Recommendation System (Multi-Modal ML Engine)

- Developed a personalized recommendation system combining LightGBM ranking models and FAISS similarity search.
- Implemented content-based and collaborative filtering techniques to improve recommendation accuracy.
- Integrated SHAP explainability to provide transparent reasoning behind recommendations.
- Built an interactive application to deliver personalized anime recommendations.
  Tech: Python, LightGBM, FAISS, Streamlit

PaylessCars (Full-Stack Automotive Marketplace)

- Designed and developed a full-stack automotive marketplace platform enabling buyers and sellers to discover vehicles with transparent pricing and real-time negotiation features.
- Built a scalable REST API backend using Django REST Framework to manage vehicle listings, user authentication, and transaction workflows.
- Implemented a modern responsive frontend using Next.js to deliver fast page rendering and seamless user experience.
- Developed role-based dashboards for buyers, sellers, and administrators to manage listings, negotiations, and platform operations.
- Designed and optimized PostgreSQL relational database schemas for efficient storage and retrieval of marketplace data.
  Tech: Next.js, Django, Django REST Framework, PostgreSQL, REST APIs

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EDUCATION

- Florida Atlantic University – Boca Raton, Florida
  Master of Science – Data Science and Analytics
  GPA: 3.8 / 4.0
  Graduation: Jan 2026
- Lovely Professional University – Punjab, India
  Bachelor of Technology (Honors) – Computer Science
  GPA: 3.3 / 4.0
  Graduated: May 2023

CERTIFICATIONS

- **Generative AI with Large Language Models — Coursera**

Gained hands-on knowledge of Generative AI architectures, prompt engineering, LLM capabilities, and practical applications of large language models for AI-driven systems.

- **Google Cloud Data Analytics Professional Certificate — Google | Coursera**

Developed expertise in cloud-based data analytics, data pipelines, SQL analysis, and visualization using modern analytics tools.

- **IBM Data Science Professional Certificate — IBM | Coursera**

Learned machine learning fundamentals, data analysis with Python, model development, and applied data science workflows.

HACKATHON

Celesta 2025 Innovation Hackathon – 4th Place

- Developed a machine learning solution for crop disease detection and yield prediction using convolutional neural networks and image classification techniques.