Kirubasagar V

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Data-driven problem solver with an engineering foundation, awarded a 'Most Deployable' in GDG Built with AI-Buildathon, selected for the Amazon ML Summer School (top 6% of applicants), translated analytical thinking into solutions by processing 80M+ records into an interactive crop-price forecasting platform, achieved 82.37% accuracy predicting user churn across 14K+ driver records, and validated a statistically significant engagement gap via hypothesis testing ($p < 0.001$)

Skills

Programming & Tools:	Python, SQL, Pandas, NumPy, Tableau, Docker, Git, FlaskAPI, RestAPI
Data Science:	Statistical Analysis, Probability, EDA, Feature Engineering, Data Visualization, A/B Testing, Forecasting
Machine Learning:	Scikit-learn, Supervised & Unsupervised Learning, Model Evaluation
Deep Learning & Gen AI:	PyTorch, TensorFlow, Transformer, LLMs, Prompt Engineering, Embeddings
Core Competencies:	Problem Solving, Data Storytelling, Technical Documentation

Internships

Accenture | Analytics and Visualization Intern Nov 2023 - Nov 2023

</> Excel, Data Analysis, Presentation, Documentation

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modeled, and analyzed 7 datasets to uncover content trends and support strategic business decisions.
- Prepared a PowerPoint presentation and video summary to communicate insights to stakeholders.

Personal Projects

Multimodal Generative AI for Agricultural Market Intelligence | *Buildathon* Aug 2026 - Aug 2026

- Won **"Most Deployable Solution"** at Build with AI Buildathon by designing and deploying a multimodal Generative AI system using Gemini 3.5 Flash, prompt engineering, and structured information extraction, integrated with market intelligence datasets to tackle information asymmetry in agricultural trade.
- Delivered an explainable, real-time decision-support workflow for market-aligned recommendations by building an LLM-powered pipeline capable of interpreting natural language and speech inputs, performing contextual reasoning, and applying NLP and FastAPI integration for live inference.

Indian Crop Price Forecasting | *Personal* | **github.com/sagarv2522/indian_crop_forecast** May 2026 - Jun 2026

- Built a scalable agricultural analytics platform by processing **80M+ government mandi records** spanning **10 years**, engineering a serverless Azure Blob-DuckDB pipeline for fast SQL-based analysis across crop-state combinations.
- Enabled data-driven agricultural decision-making by generating **7-180 day** state-wise crop price forecasts and deploying an interactive Streamlit dashboard that transformed historical price trends into actionable market insights for farmers and traders.

Churn Prediction Model for Waze | *Personal* | **github.com/sagarv2522/waze-logistic-regression** Nov 2025 - Dec 2025

- Achieved 82.37% accuracy predicting user churn on an imbalanced dataset (82.3% retained / 17.7% churned), by training a logistic regression classifier and evaluating performance via Confusion Matrix (Accuracy, Recall, Precision, F1).
- Identified a 2.6x gap in churn rate between professional and casual drivers (7.56% vs. 19.88%), by engineering a binary "professional_driver" flag (60+ drives and 15+ driving days/month) and validating it via groupwise analysis.

Education

Government College of Technology, Coimbatore **Jul 2024 - May 2026**
M.E. Manufacturing CGPA: 8.05

SNS College of Technology, Coimbatore **Aug 2020 - Apr 2024**
B.E. Mechatronics CGPA: 9.1

Certifications & Program

Deep Learning | Coursera Jan 2026
Amazon ML Summer School | Amazon Nov 2023
Google Advanced Data Analytics Certification | Coursera Jun 2023
Google Data Analytics Certification | Coursera May 2023

Achievements & Leadership Activities

- We were awarded 'Most Deployable' in the Zero Hunger & Economic Growth track at the Build with AI Buildathon, conducted by Google Developer Groups Coimbatore.
- Secured 2nd place in a Dashboard Design competition at GCT Coimbatore, finishing runner-up among 12 competing teams and demonstrated strong data visualization and analytical skills.
- Coordinated the formation and positioning of 600+ students for SNS College's 25th anniversary aerial display.
- Earned 8 Google Skill Badges across data analytics and related technical domains.
- Organized and coordinated a thesis review meeting for a research scholar, supporting academic collaboration and research documentation.