Jayanth Devaraj Gowda

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Portfolio 👤
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Highly motivated Computer Science and Data Science Engineering student with strong technical and analytical skills seeking an internship or entry-level position to apply my expertise in programming, data analysis and Machine Learning to solve real-world problems.

Educational Qualifications

ATME College of Engineering, Visvesvaraya Technological University Belagavi-590018, Mysuru — Karnataka, India — December 2021 - July 2025
BE, Computer Science and Engineering Data Science, **8.86/10.00** (CGPA), **9.41/10 & 9.42/10** (SGPA in 6th & 7th semester)

GopalaSwamy Shishuvihara Independent PU College, Mysuru — Karnataka, India — 2019 - 2021
Karnataka State Board Class - XII: 88%

Rotary High School Bannur, Mysuru — Karnataka, India — 2018 – 2019
Karnataka State Board, Class - X: 87.16%

Skills

- **Programming Languages and Software**: C, Python, SQL, Java, HTML, CSS, React, Streamlit, Tableau.
- **Relevant Skills**: Machine Learning, DBMS, Transformers & LLMs, RAG models, DSA, Neural Network, CNN, Fast API, OpenCV, pandas, NumPy, TensorFlow, Deep Learning, Data Visualization, scikit-learn, MongoDB
- **Soft Skills:** Problem Solving, Logical & critical thinking, Time Management, Leadership, Quick learner.

Work Experience

Generative AI Developer Intern at Synthlinx Private Limited *(February 2025 – May 2025)* — Bengaluru, Karnataka, India, on-site
- Integrated open-source LLMs (Llama, Mistral, Falcon) and APIs (OpenAI, Gemini, Groq, Claude, Qwen) for real-world applications.
- Built RAG (Retrieval-Augmented Generation) pipelines using FAISS / ChromaDB for knowledge-based AI responses.
- Developed AI-powered **chatbots, code assistants, or creative content tools** using Flask & Fast API for deployment.

Machine Learning Intern at Anurva Advanced Tech serve Pvt Ltd *(November 2023 – December 2024)* — Mysuru, Karnataka, India, on-site
- Analysed large datasets to identify trends and patterns.
- Developed machine learning models to predict [specific outcomes].
Collaborated with the team to implement data-driven solutions

Projects

MACHINE LEARNING PROJECTS

1.Human Emotion Detection System Using Audio and Video Inputs (View)
- Implemented deep learning models using CNNs for face emotion recognition and speech-based emotion analysis, achieving high classification accuracy. Integrated OpenCV for real-time face tracking and Librosa for audio feature extraction, enabling synchronized multimodal analysis.
- Designed an interactive visualization dashboard that generates emotion trend graphs and real-time analytics using OpenCV. Developed a video processing pipeline that overlays detected emotions onto video frames and generates a detailed sentiment report.

2.Raitha Mithra Web System (View)
- This project provides a comprehensive decision-support system for farmers by integrating crop recommendations, yield and price predictions, and disease diagnostics into a single platform. By utilizing machine learning and real-time data, the system helps farmers make informed decisions about what crops to plant, anticipate yields, and maximize profits by understanding price trends.

AI PROJECTS

1.Agentic Dashboard Visualization System (Developed an intelligent data analytics platform with Streamlit)
- Implemented multi-agent architecture including file processing, query execution, answer validation, visualization, and dashboard generation, ensuring seamless data-driven insights and Integrated LLM-based answer validation and justification to improve query accuracy
- Designed dynamic visualizations using AI-driven recommendations, enhancing user experience with automated chart generation and interactive dashboards

2.JD to Resume Matching Using LLMs
- Developed an AI-powered Resume Parser & Matcher using Google Gemini, Groq LLaMA 3, and NLP (SBERT + TF-IDF) to automate skill extraction, experience parsing, and candidate ranking based on job descriptions. Integrated Hybrid Matching Algorithm (70% SBERT + 30% TF-IDF) to compute semantic similarity scores, improving resume ranking accuracy by leveraging deep learning embeddings and keyword analysis.

Certificates

- **Tableau Certified** (January 2025) (view) & **Mathematics for Data Science & Gen AI** (May 2025) (view)
- **Data Analytics with Python** (NPTEL - April 2024) & **Big Data Computing** (NPTEL - October 2023)