

Giridhar Gowda

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PROFILE

Computer Science student passionate about Java Full stack developer.

TECHNICAL SKILLS

Languages: Java

Frontend: React

Backend: APIs

Databases: MySQL

Other: Git/GitHub, Blender, **AI tools**

PROJECTS

- Agentic framework for AI integration to tally software

Built a supervisor architecture based agentic pipeline using langchain that can retrieve the data from any local machine and get a response from tally software and then use LLM to summarize the result and project it to the user.

- Personal Finance Dashboard (React + SQL + Python)

Built a React Native dashboard app parsing SMS-based financial data. Used Python for processing and SQL for transaction storage, with real-time visualization.

- PDF Bank Statement Analyzer (Full Stack)

Developed a platform to upload bank statements. Used Python and OpenAI API for categorization, stored results in SQL, and displayed them on a React dashboard with leaderboards.

- E-Commerce Website for Clothing Brand

Designed and built a responsive React frontend with product filtering and cart features. Integrated SQL database for inventory management.

- Smart Dustbin (IoT + Python/Arduino)

Created an automated waste segregation system using sensors and actuators. Programmed with Python and Arduino, with data logging in SQL.

- Electric Jet Suit Prototype

Worked on the design of an electric-powered jet suit using five turbines and a 55 kWh battery, focusing on thrust optimization and supporting a load of under 85 kg.

- EMG-Controlled Bionic Arm (Research)

Presented research on prosthetic arms controlled by electromyography signals, focusing on sensor technology and machine learning integration.

- IUCEE Chapter Website (Three.js)

Built a sustainability-focused chapter website with a 3D interactive user interface using Three.js.

COMPETITIONS AND ACHIEVEMENTS

1. Participated in a hackathon focused on data visualization and dashboards.

CERTIFICATIONS AND WORKSHOPS

1. Received a certificate of participation from CMRIT for dashboard designing.

EDUCATION AND WORK

- Bachelor of Engineering in Computer Science (2023–2027)
Malnad College of Engineering | VTU University