

PRAJWAL JANA

Computer Science Undergraduate | AI & Agentic Systems

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SUMMARY

AI-focused Computer Science undergraduate with hands-on experience in LLM integration, AI agents, RAG pipelines, backend systems, and robotics. Built real-time conversational AI assistants and intelligent automation systems. Currently serving as Webmaster of the ACM Student Chapter at GM University.

SKILLS

- Programming: Python, Java, C
- LLM Providers: ChatGPT, Gemini, Groq, Mistral, Claude, Whisper
- AI Systems: AI Agents, Prompt Engineering, RAG
- Vector Databases: Weaviate, Pinecone
- Backend: FastAPI, Flask, REST APIs, Webhooks
- Databases: SQL, MySQL, PL/SQL
- Hardware & IoT: Raspberry Pi, Embedded Systems
- Tools: Git, VS Code

EXPERIENCE

- Webmaster – ACM Student Chapter, GM University

PROJECTS

1. AI Voice Call Assistant
 - Built real-time AI assistant handling live phone conversations.
 - Designed Speech-to-Text → LLM → Text-to-Speech pipeline.
 - Integrated Sarvam AI & Google Gemini for intelligent responses.
2. WhatsApp AI Chatbot
 - Developed AI chatbot with real-time messaging support.
 - Integrated Gemini using LangChain (Runnable architecture).
3. RECON-1 – Reconfigurable Track Robot
 - Developing tracked robot for uneven terrain navigation.
 - Designed dual N20 motor drive with Raspberry Pi control.

4. Smart Home Automation System

- Built IoT-based automated lighting control system.

EDUCATION

- B.Tech – Computer Science | GM University | 2024 – 2028 | SGPA: 7.9
- Pre-University (PCMC) | 83%
- ICSE (10th) | 82%

KEY ACHIEVEMENTS

- 1st Prize – Startup Simulation, UTKARSH 2025
- 3rd Place – Agri-Tech Hackathon 2026 (₹30,000 Prize)

CERTIFICATIONS

- Advanced AI Chatbot with Python & DeepSeek
- ChatGPT for Cybersecurity
- Introduction to IoT
- IoT Data Analysis – O Grade
- SQL (Basic) – HackerRank
- Agentic AI Engineering Course
- Identity & Access Management
- Implementing NIST Cybersecurity Framework

LANGUAGES

- English – Professional Proficiency
- Kannada – Native Proficiency
- Hindi – Working Proficiency