JAYADEEP GOWDA

Robotics & AI Engineer — Full-Stack AI Developer

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EDUCATION

Bangalore Institute of Technology **2023 – 2027**
Bachelor of Engineering in Robotics and Artificial Intelligence *Bangalore, Karnataka*
− CGPA: 8.8 / 10 (up to 4th semester)

JS PU College **2021 – 2023**
Pre-University Course (PUC) *Bangalore, Karnataka*
− Percentage: 96%

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C++ (DSA), SQL

Full-Stack Development: React.js, Next.js, Node.js, Express, REST APIs, HTML5, CSS3

AI / Machine Learning: Machine Learning, Deep Learning, Computer Vision, NLP (AI Assistants)

Robotics / Hardware: Embedded Systems, Camera Modules, Sensors, Hardware–Software Integration, Real-time Device Communication

Tools & Platforms: Git, GitHub, Docker, Firebase, Antigravity, Google Cloud, WebRTC

PROFESSIONAL EXPERIENCE

Frillory Design House **Jun 2025 – Aug 2025**
Digital Content Creator Intern *Bangalore, India*
− Worked on the technical aspects of digital content creation, supporting the studio's online presence through structured workflows and platform optimization.
− Applied web tooling and layout optimization techniques to improve content delivery consistency and digital asset presentation.
− Collaborated with founders and designers to translate design concepts into deployable digital content under structured, deadline-driven workflows.

PROJECTS

YOLO Mart | *Robotics, Computer Vision, Embedded AI* **GitHub**
− Designed an AI-driven smart retail system to eliminate manual shopping friction using an ESP32-based autonomous cart with ESP32-CAM, running on-device computer vision models for real-time person tracking, user following, and intelligent synchronization with a full-stack retail platform.

Neuro AI | *Advanced AI Systems, NLP, Full-Stack* **GitHub**
− Built an advanced AI cognitive platform addressing personalized mental and cognitive support by integrating large language models, contextual reasoning, and adaptive NLP pipelines to deliver intelligent, human-centric decision assistance within a scalable full-stack system.

High Five | *Real-Time Systems, WebRTC, Interactive AI* **GitHub**
− Engineered a real-time interactive social platform to address shallow digital interaction by enabling immersive, voice-first human connection using WebRTC, low-latency signaling, and event-driven backend systems for continuous live communication.

CERTIFICATIONS

Artificial Intelligence and Machine Learning Training Course – Infosys Springboard (Nov 2025)

Complete A.I. & Machine Learning, Data Science Bootcamp (Udemy)

ACHIEVEMENTS

Runner-Up – GlitchVerse 2k25 Project Expo for an AI and robotics-based project

National Finalist – Anveshana (National-Level Project & Research Competition)

Core Organizer – Ideathon 2025, led planning and execution of a large-scale technical ideation event

Networking Manager – Softtechie College Club, managed industry outreach and academic collaboration initiatives