
Samith Shivakumar

AIML Developer

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GitHub - <https://github.com/Sam29W/Humanoid.git>

Website - <https://sam29w.github.io/Humanoid/>

SKILLS

Python: Proficient in Python for algorithm development, AI models, and data workflows.

Machine Learning: Skilled in supervised/unsupervised learning, preprocessing, and model tuning.

AI Development: Experienced in neural networks and automation using AI frameworks.

Web Development: Front-end (HTML, CSS, JS) and backend integration for responsive sites.

MongoDB: Efficient in managing and querying structured NoSQL databases.

GitHub: Version control expert; collaborative and open-source contributor.

AI Agents: Designs intelligent systems for automation and productivity.

Streamlit & OpenCV: Developed AI dashboards and computer vision tools.

Robotics: Building humanoids with real-time sensory and AI integration.

Projects

SMART SHOPPING CARTS

Smart Shopping Cart System with Self-Billing & Auto Navigation

Technologies used: Streamlit, OpenCV, pyzbar, OpenFoodFacts API

- Designed an intelligent cart system capable of barcode scanning, nutritional data fetching, and automatic billing.
- Integrated early-stage navigation logic inspired by autonomous vehicle principles.

Humanoid Development & Research

- Currently developing a humanoid robot, blending mechanics, electronics, and AI-powered control logic.

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- Actively researching real-time responsiveness and human-AI interaction frameworks.

Crypto Exchange Platform (Web & App)

- Currently building a full-stack web and mobile platform for cryptocurrency trading using HTML, CSS, JavaScript, Android Studio, and React.
- Focused on delivering a user-friendly interface with secure, efficient transaction processing.

College Chatbot System

- Developed an intelligent chatbot tailored for academic environments to assist students with college-related queries.
- Designed to automate FAQ handling and enhance accessibility to campus information.

EDUCATION

Jain University, Bengaluru - *AIML(2027)*

RYAN INTERNATIONAL SCHOOL - *PCMC(2021-2023)*

MITRA ACADEMY - *(Pre-KG to X)*

Certifications

AI Agents Unleashed (Lyzr AI)

Basics of cisco networking (Learn Quest)

Introduction to Contemporary Operating Systems and Hardware 1b (Illinois Tech)

Business for Good: Fundamentals of Corporate Responsibility (London Business School)

Languages

- English (Primary)
- Hindi (Fluent)
- Kannada
- Malayalam (Native)
- Tamil
- German