KAYAM SAI KRISHNA

Full Stack Developer | AI/ML Engineer | Product Design Enthusiast

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🔗 LinkedIn Profile | 💻 GitHub | 🌐 Portfolio

PROFESSIONAL SUMMARY

Motivated AI/ML Engineering student with strong academic foundation and passion for developing innovative solutions. Self driven learner with hands-on experience in Machine Learning, Deep Learning, and Computer Vision through personal projects. Proficient in Python, TensorFlow, and modern ML frameworks with demonstrated ability to build end-to-end AI solutions from concept to deployment.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, SQL
- **ML/DL Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn, OpenCV
- **Data Science:** Pandas, NumPy, Matplotlib, Seaborn, Jupyter
- **AI Specializations:** Computer Vision, NLP, Deep Learning, CNN
- **Tools & Platforms:** Git/GitHub, Google Colab, Streamlit, Flask
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite

EDUCATION

B.Tech in Computer Science Engineering - Artificial Intelligence & Machine Learning
CMR University, Bangalore
2022 - 2026 | CGPA: 9.32/10

Higher Secondary Education - Physics, Chemistry, Mathematics, Electronics
Vidya Soudha PU College
2020 - 2022 | Percentage: 88.5%

ACADEMIC PROJECTS

NeuroGenius - Personalized AI Assistant | Jul 2023
- Developed a custom chatbot using Ollama models with personalized response generation
- Implemented prompt engineering techniques and context management for better conversations
- Built initial prototype using Streamlit, later implemented desktop application with Tkinter GUI
- Integrated conversation history and user session management for enhanced user experience

Tech Stack: Python, Ollama API, Flask, SQLite, Thinkter (UI/UX)

NexaBot – Multi-Functional Humanoid Robot | March 2023
- Designed and built a versatile humanoid robot with advanced movement control using ESP32 microcontroller
- Implemented WiFi and Bluetooth connectivity for wireless control and remote monitoring capabilities
- Developed MIT App Inventor mobile application for real-time robot control and user interaction
- Integrated servo motors for precise joint movements and sensor responsiveness for environmental interaction

Tech Stack: ESP32(Wifi+Bluetooth), MIT App Inventor, Arduino IDE, C++

CERTIFICATIONS

AI with Machine Learning Certification
Ethical Edufabrica & IISc Bangalore | Nov 2023

Introduction to Large Language Models
NPTEL | Apr 2025

Artificial Intelligence Internship
Kaashiv Technologies | Sep 2023

In-Plant Training – Metallurgical Quality Control
Federal-Mogul Goetze India Ltd (Tenneco) | July 2025

ACHIEVEMENTS

High Academic Performance
CGPA 9.28/10 in AI/ML Specialization

Self-Learning Initiative
Completed 10+ online courses independently

Project Excellence
In AI/ML coursework

EXPERIENCE

In – plant Training at Federal-Mogul Goetze (India) – july 2025

Worked on AI-powered systems for metallurgical microstructure analysis and coating thickness measurement using image processing techniques.

EXTRACURRICULAR

Personal Learning Projects
GitHub | 2022-Present
5+ AI/ML projects showcasing continuous learning