

Kushal Raj G S

📞 +91 9686293233 ✉ kushalrajgs@gmail.com

🔗 [linkedin.com/in/kushal-raj-g-s](https://www.linkedin.com/in/kushal-raj-g-s) 📍 Bangalore, India

OBJECTIVE:

A highly driven full-stack AI developer and IoT enthusiast with strong leadership, public speaking, and creative media skills. Experienced in building real-world tech solutions including AI-powered systems, automation, web platforms, and IoT-based projects. Looking to contribute to impactful initiatives that combine technology, creativity, and communication.

EDUCATION:

BMS Institute of Technology & Management, Bangalore
Bachelor of Engineering – Artificial Intelligence & Machine Learning (2023–2027)
CGPA: 9.18

SKILLS:

- Languages & Tools: Python, Java, JavaScript, C, Git
 - AI/ML: Scikit-learn, Pandas, NumPy, Data Preprocessing, Model Deployment
 - Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js
 - IoT & Automation: ESP8266, Arduino, ESP-32, AMB82-mini, Blynk, Telegram Bots
 - Media & Communication: Public Speaking, Content and Video Creation (Reels & Events)
 - Soft Skills: Leadership, Event Coordination, Team Collaboration
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PROJECTS & INITIATIVES:

🔑 AI-Powered Autonomous Security Rover (IoT + AI/ML)

Built a real-time intruder classification system using PIR and ultrasonic sensors with live Telegram alerts.

Integrated environmental monitoring (DHT11) and obstacle detection.

🏠 Smart Home Automation System (IoT Project)

Developed a home automation setup using ESP8266, relay modules, and Blynk for real-time device control.

Enabled remote control of lights/fans and sensor data monitoring via smartphone app.

♻️ Smart Recycling Assistant (AI/ML Project)

Designed an AI assistant that classifies waste types and suggests optimized recycling methods.

Utilized data processing and machine learning models to promote sustainable habits.

🌱 BioBloom AI Composting Assistant (AI for Social Good)

Created an AI chatbot that provides weekly composting plans based on household waste input.

Integrated into a live website to promote eco-friendly practices.

EXTRA-CURRICULARS:

Dancer & Event Director – Led and choreographed multiple performances
Strong Public Speaker – Known for bold communication and impactful presentation
Passionate about building real-time tech with societal impact

LEADERSHIP:

1. Head of Coding club
2. Project Management and Media team in IEEE RAS