

Gurjyoth Singh , Developer

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Profile

As an AI/ML Engineer and IoT Innovator, I build smart systems that blend AI, drones, and IoT to revolutionize precision agriculture and cybersecurity. From developing an autonomous drone-based crop monitoring system to creating Afiya, an emotional AI chatbot, I thrive on solving real-world problems with cutting-edge tech. My expertise spans AI/ML (CNN, YOLO, TensorFlow), embedded systems (ESP8266, Raspberry Pi), full-stack development, and ethical hacking. Passionate about pushing boundaries, I turn bold ideas into reality—one innovation at a time!

Education

B.Sc. Computer Technology

KG College of Arts and Science, Coimbatore

May 2023 – May 2026

Higher Education

GOVERNMENT HIGHER SECONDARY SCHOOL ASOKAPURAM, Coimbatore

Sep 2021 – Apr 2023

Skills

Python – Experienced

UI/UX – Experienced

Full Stack Development – Skillful

3D Game Development – Skillful

IoT Embedded Systems – Beginner

Languages

Punjabi – Native speaker

English – Highly proficient

Tamil – Highly proficient

Hindi – Very good command

Courses

Google Cloud Career Practitioner Pathway, Google Developer Student Club

Gen AI Study Jams 2024, Google Developer Student Club

Certificates

Dec 2025 – Smart India Hackathon 2024 Finalist

Mar 2024 – Innovate-Athon 2024

Sep 2024 – Code N Surge 2024

Aug 2024 – DeepRacer 3.0 League

Feb 2025 – IDE BootCamp Edition 2 Phase II

Projects

Drone-Based ET Sensing System for Precision Agriculture

Afiya: Multilingual AI-Powered Emotional Support Chatbot

USB WiFi Adapter Development Using ESP-01 and ESP8266 Mini

3D First-Person Shooter (FPS) Game Development in Unity

UI/UX Design and Prototyping for Web/Mobile Project in Figma