

Alan Cyril Sunny

alancyrilsunny@protonmail.com — +91-9846363290
github.com/dragonpilee

Professional Summary

Experienced STEM educator with 10+ years teaching Physics, Chemistry, Computer Science, and Mathematics. MSc in Computer Science (Data Analytics). Skilled in simplifying complex concepts for young learners, integrating project-based and interactive teaching methods. Passionate about robotics, AI, and inspiring next-generation problem solvers.

Key Skills

- STEM Education
- Computer Science & Python Programming
- Basic Robotics (Arduino, Scratch, Blockly)
- AI & Machine Learning (Scikit-learn, NLP)
- Curriculum Development
- Interactive Classroom Engagement
- Raspberry Pi, Sensors, IoT Basics
- Git, GitHub, Linux

Teaching Experience

Freelance STEM and Computer Science Tutor

Kerala, India

- Taught programming, robotics basics, and science subjects to students (Grades 6–12 and UG).
- Delivered hands-on Python coding and electronics classes using simple microcontrollers.
- Developed interactive modules on AI, ML, and data-driven projects tailored for young learners.
- Created educational tools and questions for curriculum reinforcement and student assessments.

STEM Instructor (Part-time)

Various EdTech Platforms

- Conducted live workshops on AI, data science, and basic robotics.
- Helped students build mini-projects like line-following robots and chatbot apps.
- Integrated storytelling and gamification to sustain student attention and retention.

Projects

Genetic Disorder Prediction using AI

Developed an intelligent model in Python using healthcare datasets to predict asthma and epilepsy risk.

Seizure Detection System

AI model to identify epileptic patterns from brainwave signals, designed for real-time alerts.

Nyx - Cyberpunk AI Chatbot

A futuristic chatbot built using LLaMA 3 API, React + TypeScript, deployed with Tailwind CSS.

Education

MSc in Computer Science (Data Analytics)

Cherpunkal, Kerala

BSc in Chemistry

Cherpunkal, Kerala