

# VINAYAGAM M

☎ +91-6382401069    ✉ vinayagamv398@gmail.com  
in linkedin    🌐 github.com/Vinayagam-04    📁 potfolio

## OBJECTIVE

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Dedicated and innovative student specializing in Artificial Intelligence & Machine Learning, aiming to apply technical expertise in AI, automation and robotics to drive impactful solutions in real-world environments.

## EDUCATION

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**B.E. in Computer Science & Engineering (AI & ML)** 2022 – 2026  
K.S. Rangasamy College of Technology, Namakkal CGPA: 8.34/10

## SKILLS & INTERESTS

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<b>Programming</b>	Python, Java
<b>AI/ML</b>	TensorFlow, Keras, OpenCV, NLP, RAG
<b>Web Development</b>	HTML, CSS, JavaScript, Flask, Streamlit, django
<b>Database</b>	MySQL, (Vector DB) ChromaDB, Pinecone
<b>Deployment</b>	Firebase, Render, Netlify
<b>Tools</b>	XAMPP, TeamViewer, AnyDesk, Unity
<b>Interests</b>	Robotics, Web Development, Sustainable Farming, Chatbots
<b>Additional</b>	Data Labeling, Computer Vision, Deep Learning

## PROJECTS

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### AGNI: Tamil Chatbot with Gemini API

- Developed a Telegram chatbot in Tamil using Gemini API, designed for intuitive, culturally relevant interactions and programming query support.

### Eco Weed AI: Automated Weed Removal

- Built an AI-powered robotic system using deep learning and Raspberry Pi for sustainable, chemical-free farming with mobile-based emergency control.

### RPA-Based Attendance Management System

- Designed a Robotic Process Automation system integrated with computer vision for efficient attendance tracking.

### EduBot: Multi-Language Educational Chatbot

- Created an educational chatbot supporting multiple languages using Flask, Gemini API, and deployed on Render.  
Live at: <https://edubot-22af.onrender.com/>

## INTERNSHIPS

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### AI Dataset Labeling Intern – Alfa TKG Integrated Solutions

- Labeled datasets and performed computer vision tasks for robotic welding; used TeamViewer and AnyDesk.
- Received stipend of 10,000.

### RAG-Based AI Intern – Certainty.ai

- Worked on Retrieval-Augmented Generation systems; optimized retrieval processes using vector databases like ChromaDB, Pinecone.
- Received stipend of 15,000.