

Siddarth Thangaraj

Dindigul, Tamilnadu

📞 6374415258 • ✉ siddhusiddarth2005@gmail.com • in siddarth-t3055
🌐 Siddarth305

Objective

An enthusiastic student with a strong ability to learn and adapt to new technologies, passionate about Machine Learning and Web Development, aiming to apply technical skills and creative thinking to deliver meaningful solutions and contribute effectively to an organization's goals.

Education

M. Kumarasamy College of Engineering

B.Tech, Artificial Intelligence and Machine Learning

Karur

2022–2026

Bhaarath Vidya Bhavan Matriculation Higher Secondary School

High School, Computer Science

Palani

2020–2022

Skills

Technical Skills:

- Programming Languages: Java, C++
- Web Development (Basics)
- Database Management: SQL (Basics)
- Machine Learning: Python

Soft Skills:

- Problem Solving
- Adaptability
- Teamwork and Decision Making
- Communication
- Logical Thinking

Projects

BOTHUB [Integration of AI Tools]:

- Designed and integrated AI tools into Bothub, enhancing its functionality and performance through data-driven insights.
- Developed solutions utilizing machine learning and web development technologies.

SmartBin:

- Developed a SmartBin system leveraging AI and computer vision for real-time waste management.
- Designed and implemented object detection models using YOLO (You Only Look Once) in OpenCV to identify and classify waste objects.

Trip Planner using React and MongoDB:

- Developed a Trip Planner using React and MongoDB, enabling users to plan, manage, and store travel details.
- Integrated MongoDB for storing hotel information, bookings, and user preferences.

Languages Known

- Tamil : Fluent
- English : Fluent
- Japanese: Beginner (N5 Level)

Co-Curricular Activities

- Enhanced problem-solving and algorithmic skills through active participation on platforms like LeetCode and HackerRank, focusing on real-world coding challenges.
- Contributed to paper presentations and technical events, fostering improved communication, critical thinking, and a deeper understanding of emerging technologies.

Publications

Smart Bin - AI Based Waste Segregation with Monitoring System:

- Authored and published a journal paper presented at the International Conference held at Sengunthar College of Engineering, Erode.
Available at: [IJIRT169606-PAPER.pdf](#)