## Key Achievements

- **Second Runner-up, Energython 24** – Built an AI-powered energy audit app, winning ₹1000.
- S**econd Runner-up, Hackerz** – Placed among 160 teams in a national-level case analytics event.
- **Winner** - Ideaflow a 24 hour college level Hackathon
- **Second Runner-up, Tech Quest** – Recognized in the CSBS Association's competition.
- **Finalist, K! Hacks** – Selected among 900+ teams at Anna University's flagship hackathon.

## TECHNICAL EXPETISE

**Programming Languages:**

advanced: Python, Java

Intermediate: C++,C

**Version Control Systems:**

GIT and GIT Hub

**Web Development:**

HTML, CSS, Java script

**Frameworks and libraries:**

NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn,OpenCV, TensorFlow, Keras, MediaPipe

## CERTIFICATION COURSES

**Machine Learning**
- NPTEL
**Python for data science**
-NPTEL
**Programming in Python**
-consortium for educational communication
**Introduction to Prompt Engineering**
-Infosys Springboard
**Prompt Engineering for GIT**
-Infosys Springboard
**Building a chat bot**
-Great Learning
**CHAT GPT for NLP**
-Great Learning
**Generative AI**
- Guvi geek networks

# KAAVIYAA I

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## SUMMARY

I am a Second Year Computer Science and Business Systems Student at Thiagarajar College of Engineering with a Keen Interest in Computer Vision and Machine Learning . I am Eager to Apply my Skills in Real-World Scenarios through Internships or Apprenticeships. I have a strong inclination towards Research and Development. I am committed to contributing to innovative projects. seeking Professional connections to collaborate with like-minded individuals.

## EXPERIENCE

**Web Development Intern**                         07/2024 - 08/2024

Big Bucks Innovation                              Chennai, India

- Developed front-end interfaces using HTML, CSS, and JavaScript.

## EDUCATION                                      GRADE

| | |
|---|---|
| B.Tech Computer Science and Business Systems | 9.10 |
| Thiagarajar College of Engineering | |
| Grade 12 | 9.38 |
| Bhaktavatsalam vidhyashram | |
| Grade 10 | 8.88 |
| Bhaktavatsalam Vidyashram | |

### CO-CURRICULAR ACTIVITIES
**PROFESSIONAL SOCIETIES**
Technical lead at Build club
Student Ambassador of AI Consortium Tce
member of entrepreneurship cell
Joint secretary at IUCEE EWB Tce chapter
**ACHIVEMENTS**
Conducted workshop on image processing for 100+ students of 1st year

### EXTRA CURRICULAR ACTIVITIES
**TEAMS AND SOCIETIES**
Serving as a NSS Volunteer
Member of girls Basketball Team
**ACHIVEMENTS**
"**Best Player**" in Basketball Interdepartment match
"**Best Player**" in Handball Inter department match

### PROJECTS
**AI-Powered Waste Segregation System**
Developed an image classification model for waste management, integrating sensor technologies and a pneumatic refuse collection system.

**Energy Audit Application with AI**
Built an AI-integrated app for energy monitoring, securing a national-level award at Energython 24.

**NLP-Based Text Summarization Model**
Created an AI-driven text summarization tool, hosted on GitHub, leveraging advanced NLP techniques.

### RESEARCH

Authored a research paper titled "IoT and Machine Learning- Integrated Approach for Accurate Forest Fire Detection", and presented it at the International Conference on Green Artificial Intelligence and industry applications on April 4 2025 . The paper will be published in the Springer book series: Artificial Intelligence Integrated Enhanced Software and Systems Engineering.