



KAAVIYAA I

SUMMARY

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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

Computer Vision based Waste Segregation System

Used DenseNet, ResNet-50, and InceptionV3 for multi-class waste classification using computer vision.

Crack Detection & Severity Classification

Built a vision-based model to detect cracks and classify severity using deep learning.

Deepfake Detection using LSTM

Developed an LSTM-based system to identify deepfakes from facial video data.

Number Recognition (OCR)

Implemented OCR using OpenCV and Tesseract for handwritten and printed number recognition.

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.

Key Achievements

- **Second Runner-up, Energython 24** – Built an AI-powered energy audit app, winning ₹1000.
- **Second 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, KI 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