

A Aravind Kumaar

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Education

Sep 2022 – Aug 2026	B.Tech in Computer Science & Engineering , Amrita Vishwa Vidyapeetham, Coimbatore	CGPA: 7.03
Jul 2020 – May 2022	High School Diploma (CBSE) , Honey Bunch School	Percentage: 87%

Projects

Driver's Drowsiness Detection in ADAS

- Designed a CNN model to detect driver drowsiness from real-time video feeds.
- Integrated the solution with an alarm system to ensure road safety.
- Improved model accuracy with advanced preprocessing techniques.

Malware Detection using CNN in Emails

- Developed a CNN-based system to detect malware by converting email attachments into grayscale images.
- Integrated an email honeytrap to capture suspicious files and enhance classification accuracy.
- Achieved 95% accuracy by optimizing model with Batch Normalization and data augmentation techniques.

AI Driven - Post Office Identification System

- Developed a system to identify post offices dynamically using addresses.
- Built an automated ML pipeline with OCR and NLP.
- Leveraged language models to correct address patterns for improved accuracy in postal mapping.

Skills

Languages: C++, Python

Frontend: HTML, CSS, JavaScript

Tools: Git, GitHub, Linux, Figma, VS Code

Area of Interest

Machine Learning and Deep Learning

Hackathons

IEEE 2024: Hackathon Winner – Domain: Generative AI

TechConnect'24: Research Conclave Finalist – Conducted by IIT Bombay

Coursework

HTML, CSS and JavaScript – Udemy, 2023

JavaScript – Digital Garage (Google)

Extra-Curricular Activities

- Football (District Level)
- Creative Writing (National Level)
- Internship in District Collectorate Programme
- Proficient Hindi Degree