

# A Aravind Kumar

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## Education

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

## Projects

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### 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

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**Languages:** C++, Python

**Frontend:** HTML, CSS, JavaScript

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

## Area of Interest

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Machine Learning and Deep Learning

## Hackathons

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**IEEE 2024:** Hackathon Winner – Domain: Generative AI

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

## Coursework

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HTML, CSS and JavaScript – Udemy, 2023

JavaScript – Digital Garage (Google)

## Extra-Curricular Activities

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