

ARAVIND S

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CAREER OBJECTIVE

Master's graduate in Computer Science with AI specialization and a BCA background. Skilled in AI, Machine Learning, and Generative AI prompt engineering, with hands-on experience in research, front end development, and UI/UX design. Strong at effectively utilizing AI to build real world solutions.

WORK EXPERIENCE

Software Developer

Creative App Lab, Thiruvananthapuram

Aug 2025 - Present

- Developed web applications using Python, focusing on performance and user-centric functionality
- Designed intuitive user interfaces using Figma and Adobe tools, following strong UI/UX principles
- Built a house recommendation system based on user search behavior and preferences
- Enhanced a language translation system by expanding English–Arabic support to English, Hindi, and Arabic with bidirectional translation

Mobile And Web Technology Intern • Internship

Creative App Lab, Thiruvananthapuram

Mar 2025 - Jul 2025

- Built an AI-based English-to-Arabic translation bot using a Hugging Face model and integrated it as an API with Flask
- Designed the complete mobile app interface using Figma, Photoshop, and Illustrator
- Improved development speed and efficiency using effective prompt engineering techniques
- Created promotional videos entirely using AI-generated assets, including visuals and media elements

EDUCATION

Master of Science (M.Sc), Computer Science

University Of Kerala Karyavattom Campus

2023 - 2025

Percentage: 8.94%

Bachelor of Computer Applications (BCA), Computer Science

UIT Kanjiramkulam

2020 - 2023

Percentage: 77.06%

PORTFOLIO

[Portfolio link ↗](#)

PROJECTS

[Saliency Driven Transformer Models for DeepFake Video Detection ↗](#)

Jan 2025 - Mar 2025

- 1) Conducted research on a saliency based preprocessing method for deepfake video detection, aiming to reduce model complexity and improve detection accuracy. 2) Delivered competitive performance on benchmark datasets, achieving 98.61% accuracy on Celeb-DF v2 and 97.68% on DFDC.
- 3) Presented the research findings at the ICMLDE international Conference, demonstrating contribution to advancements in AI driven media forensics.

[Real time Traffic Density Analysis using Yolo V11 ↗](#)

Feb 2025

This project implements a real-time traffic analysis system using the YOLOv11 object detection model. It processes video frames to detect vehicles, evaluates traffic intensity, and logs the results. The system allows users to define an Area of Interest (AOI) for vehicle counting and since I made use of a pre-trained YOLO v11 model, there is not much thing to do about performance evaluation.

ParaEase :A Smart IoT Solution for Differently Abled Individuals ↗

Oct 2024 - Jan 2025

Many differently-abled individuals face challenges such as limited mobility, communication difficulties, and the inability to respond quickly during emergencies (e.g., gas leaks or intrusions). Traditional home automation systems often fail to meet the needs of these individuals due to lack of adaptability or inclusivity.

Thus, ParaEase was developed with the aim to provide an affordable and simple prototype that helps these individuals live a normal life with minimal cost.

SKILLS

- Artificial intelligence
- UI & UX Design
- Adobe Illustrator
- HTML 5
- Flask
- Docker
- Generative AI Tools
- Machine Learning
- Figma
- Python
- CSS
- Prompt Engineering
- Cursor (GenAI)
- Deep Learning
- Adobe Photoshop
- Django
- JavaScript
- Frontend development
- AI Image Generation

EXTRA CURRICULAR ACTIVITIES

- I was part of student police cadet ,where me and my team took huge initiative in cleaning hospitals and school areas,planting trees and engaged in social activites

ADDITIONAL DETAILS

- Awarded Certificate for Eligibility to PhD through UGC NET examination conducted in 2024 and 2025.
- Presented my research work titled "Saliency Driven Transformer Models for DeepFake Video Detection" at an ICMLDE International Conference held in Dehradun, demonstrating advancements in AI based media forensics

Netflix Movie Recommendation System Using Machine Learning ↗

Mar 2024 - Apr 2024

This is an AI project. What we do here is take in 10000+ data on movies and recommend the user 5 movies that they searched or viewed using the content-based filtering approach with machine learning.