

# Aravind P

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## EXPERIENCE

### MU SIGMA | INTERN

May 2025 – June 2025 | Onsite, Bangalore

- Developed a generative AI chatbot capable of answering dataset-specific queries, generating graphs, and creating images from text prompts.
- Built a lip-syncing avatar and integrated Speech-to-Text (STT), Text-to-Speech (TTS), and multilingual text translation supporting multiple Indian languages.
- Designed and exposed APIs for modular integration of all components.
- AI solutions to real-world problems, including analyzing promotional sales impact for a grocery retail client.
- Strengthened problem-solving and system integration skills by working on end-to-end AI model development and deployment.

## PROJECTS

### AI-POWERED PERSONALIZED NEWS AGGREGATOR

- Developed a news platform with secure login, preference filtering, real-time aggregation from news APIs, ML-based recommendations, article categorization, search, and feedback loop.

### MULTILINGUAL AUTOMATED CODE EVALUATION SYSTEM

- Currently developing a system for secure code execution, plagiarism detection, automated feedback, and an intuitive interface for academic evaluation.

### P2P DISASTER RESPONSE NETWORK

- Designed a decentralized peer-to-peer system for disaster communication, resource sharing, location tracking, and task coordination.

### GPS NAVIGATION SYSTEM

- Built a GPS system supporting shortest-path routing, amenity lookup, user-defined stops, and real-time travel time estimation.

### REGULAR EXPRESSION TO NFA CONVERTER

- Developed a visual tool to convert regular expressions to NFAs using union, concatenation, and Kleene star operations.

### PLACEMENT MANAGEMENT SYSTEM

- Created backend services for a campus placement portal enabling students to view company profiles, placement history, and upload resumes.

## CERTIFICATIONS

- Web Developer Boot Camp – Ongoing (Udemy)
- Front-End Development – Ongoing (Meta/Coursera)
- Machine Learning with Python – Completed (Coursera)
- C and C++ Programming – Completed (Udemy)
- AI Agent Development (Agentic AI) - (Mechanica (IIT Madras) and eduxlabs)

## EDUCATION

### B.TECH IN COMPUTER SCIENCE AND ENGINEERING

AMRITA SCHOOL OF COMPUTING,  
AMRITA VISHWA VIDYAPEETHAM  
2022 – 2026

- Current GPA: 7.03

### HIGHER SECONDARY, COMPUTER SCIENCE

ST. JOSEPH'S BOYS HSS, CALICUT  
2019 – 2021

- Percentage: 92.75%

### SSLC

RKMHSS, CALICUT  
2016 – 2019

- Percentage: 97%

## SKILLS

### PROGRAMMING LANGUAGES

Python • C# • C++ • Java

JavaScript • SQL • HTML • CSS

### SOFT SKILLS

Teamwork • Communication •  
Leadership • Public Relations

### TECHNOLOGY

Git/Github • MacOS • Linux

UNIX • Windows • Artificial Intelligence

### LANGUAGES

Malayalam (Native) • English (Fluent) •

Hindi (Working) • Tamil (Working)

### VOLUNTEERING EXPERIENCE

EXECUTIVE MEMBER, PRITHVI ROOT (REG.

NO: KKD/CA/981/2015) Kozhikode |

2019 – Present

- Part of an NGO focused on ecological restoration and community welfare through reforestation, medical camps, and monthly food drives.

### Extra Curricular Activities

- Certified in 999 Yoga Challenge, Energy Swaraj Course, and Bosch BLE 5.0 and EV Workshop at Anokha Tech Fest 2023.