

Aravind Itte

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SUMMARY

Passionate software enthusiast with expertise in **AI/ML**, **Data Science**, and **Web Development**. Constantly exploring innovative technologies and developing solutions to real-world problems.

SKILLS

Programming Languages	JavaScript, TypeScript, Python, HTML, CSS, C/C++, Java, SQL
Web Technologies	React, Node.js, Express.js, Next.js, Remix, DBMS(MySQL, PostgreSQL, Django), Flask, Socket.io, WebRTC, Bootstrap, Tailwind CSS, Vite
AI/ML Technologies	RAG, NLP, Deep Learning, Computer Vision, Image Recognition, Federated Learning, Gen AI
Core Skills	OOPS, OS (Unix/Linux), DSA, Problem Solving, Debugging, Troubleshooting, Software Engineering
Soft Skills	Adaptability, Strategic Thinking, Creativity, Communication

PROJECTS

ChatMaster App | Real-time Chat | WebRTC [Source Code](#)

- Built a **full-stack real-time chat application** with **voice/video calling capabilities** using React, Node.js, Socket.io, and MongoDB for seamless communication.
- Implemented **WebRTC-powered calling features** with screen sharing, **friend system with unique IDs**, group chats, and file sharing with Cloudinary integration.
- Delivered a **production-ready application** with JWT authentication, responsive design, dark/light themes, and deployment on Vercel/Render demonstrating full-stack expertise.

Fake News Detection Project | Machine Learning | NLP [Source Code](#)

- Led the implementation of **TF-IDF vectorization** on datasets containing true and fabricated news articles, achieving a **20% increase** in accuracy for fake news detection, resulting in an **overall accuracy of 85%**.
- Engineered models to **improve detection** reliability, achieving a **95% accuracy** by **integrating textual analysis of content** (80% accuracy), **title** (90% accuracy), and **publication dates** (95% accuracy), demonstrating advanced proficiency in **machine learning techniques** for misinformation detection.

Real-Time Object Detection | Computer Vision | YOLOv8 [Source Code](#)

- Developed a **real-time object detection system** using **YOLOv8 and OpenCV** for live webcam processing with bounding box visualization and object classification.
- Built both **standalone desktop application** and **web-based interface** enabling flexible deployment options for computer vision applications.
- Demonstrated proficiency in **computer vision pipelines**, **model integration**, and cross-platform deployment with Docker support and optimized performance for local execution.

WORK EXPERIENCE

AI Training Consultant | Outlier

Dec 2024 - Jan 2025

- Provided expertise in **training and fine-tuning large language models (LLMs)**, optimizing AI systems for enhanced performance and accuracy.
- Tailored AI solutions to client needs, ensuring **seamless integration** into existing workflows and improving efficiency.

Intern | Cestro Technologies

Jun 2023 - Jul 2023

- Engineered a cutting-edge **React** application as a cornerstone of an innovative web development project, delivering a resilient and user-centric interface.
- Fortified application security through proactive vulnerability assessments and the strategic implementation of industry-leading best practices, ensuring robust data protection.

AWS Internship | APSSDC

Jun 2023 - Aug 2023

- Developed skills in **cloud computing** and **AWS services**, designing scalable and secure cloud solutions.
- Leveraged **AWS Lex, S3, and Lambda** to build efficient architectures, optimizing application performance.

EDUCATION

2021 - present	B.Tech in Computer Science and Engineering, SRM University AP (CGPA: 7.74/10)
2019 - 2021	Intermediate BIEAP at CLR Junior College (Marks: 807/1000)
2018 - 2019	Class 10th BSEAP at Sri Vasavi Vidyaniketan (CGPA: 9.7/10)

CERTIFICATIONS

• Software Engineering Goldman Sachs	View
• Postman API Fundamentals Student Expert Postman	View
• C++ Programming Certification OpenEDG C++ Institute	View
• JS Foundation Professional Certificate Mozilla	View
• Foundational C# freeCodeCamp X Microsoft	View
• Software Development for Enterprise Systems The Open University	View