

# Aravind Itte

 AravindItte |  AravindItte |  aravinditte0121@gmail.com |  +919030380852

## SUMMARY

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**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

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<b>Programming Languages</b>	Python, C/C++, Ruby
<b>Web Technologies</b>	HTML, CSS, Bootstrap, JavaScript, Node.js, Django, React, Git, DBMS
<b>Core Skills</b>	OOPS, OS, DSA, Problem Solving, Software Engineering
<b>Data Visualization</b>	Power BI, Google Charts
<b>Soft Skills</b>	Adaptability, Strategic Thinking, Creativity, Communication

## PROJECTS

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### RAG ChatBot | NLP | LangChain

[Source Code](#)

- Developed a **Retrieval-Augmented Generation (RAG)** chatbot leveraging **LangChain** to enhance response accuracy by integrating external knowledge sources.
- Designed and implemented a **conversational AI system** with **streamlined query handling**, ensuring **optimized latency and user experience**.
- Demonstrated expertise in **NLP**, **vector databases**, and **embedding models**, aligning with industry advancements in AI-driven interactions.

### 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.

### Facial Recognition System

[Source Link](#)

- Engineered a cutting-edge **facial recognition system** inspired by the research paper on **Convolutional One-Shot Siamese Networks**.
- Implemented **deep learning-based feature extraction** and **metric learning** to enable accurate face verification with minimal training data.
- Optimized the model for **real-time recognition**, enhancing efficiency and **reducing computational overhead**.
- Demonstrated expertise in **image processing**, **deep learning**, and **Siamese neural networks**, bridging theoretical research with practical application.

## WORK EXPERIENCE

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### 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.

### Penetration Tester Intern | Cestro

Jun 2023 - Jul 2023

- Conducted **web and mobile application security assessments**, identifying vulnerabilities and enhancing security measures.
- Gained experience with **Burp Suite** and **ZAP** for penetration testing, improving application security protocols.

### 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

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2021 - 2025 — B.Tech in Computer Science and Engineering, **SRM University AP** (CGPA: **7.83/10**)

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

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- **OpenEDG: C++ Certification**
- **C# with Microsoft**
- **SWE Development**
- **JS Foundation By Mozilla**
- **Learning Linux Shell Scripting**
- **Simplilearn: Deep Learning**