

ASRAHEL A

Software Engineer

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📍 Tamil Nadu – 627806

Summary

Passionate Computer Science Engineer skilled in developing intelligent systems, interactive web applications, and user-friendly interfaces. Experienced with AI/ML and MERN stack projects, combining technical precision with creative problem-solving to deliver impactful solutions.

Skills

Programming Languages: Python, Java, C

Technologies & Frameworks: HTML, CSS, JavaScript, React.js, Node.js, Express.js, Scikit-Learn, Matplotlib, Seaborn

Databases: MongoDB, MySQL

Developer Tools: GitHub, Canva, Postman, Figma

Soft Skills: Communication, Problem-Solving, Team Collaboration

Experience

AI/ML Intern

Sep 2023 – Oct 2023

Internpe (Remote)

Python, NumPy, Pandas, Matplotlib

- Explored supervised and unsupervised learning models using Scikit-Learn.
- Worked with Python libraries including NumPy, Pandas, and Matplotlib.
- Gained exposure to TensorFlow and PyTorch for deep learning fundamentals.

MERN Stack Developer Intern

Aug 2025 – Sep 2025

Codec Technology (Remote)

MongoDB, Express, React, Node.js

- Developed a real-time chat application enabling one-to-one and group communication using the MERN stack.
- Implemented WebSocket for instant message delivery and authentication for user access control.
- Designed front-end components using React and managed REST APIs in Express and Node.js.
- Optimized database queries and message storage using MongoDB for scalability.

Projects

Online Chat Application (MERN Stack) | *MongoDB, Express, React, Node.js*

2025

- Built a fully functional real-time chat application with group and private messaging features.
- Integrated user authentication, message storage, and WebSocket communication for seamless interaction.

Movie Recommendation System (Machine Learning) | *Python, Scikit-Learn*

2024

- Developed a recommender system using collaborative and content-based filtering.
- Applied preprocessing, normalization, and feature engineering techniques for accuracy.

Courses & Certifications

- Introduction to Machine Learning – NPTEL(2024)
- Programming in Java – NPTEL(2025)
- Object Oriented System Development Using UML, Java, and Patterns – NPTEL(2025)
- Fundamentals of Python – Cisco(2024)
- Responsive Web Design – FreeCodeCamp(2024)

Education

B.E. Computer Science & Engineering - Ramco Institute of Technology

2022 – 2026

Course Work: Data Structures & Algorithms, OOP, DBMS, Computer Networks, Operating Systems