

Aeshala Sadha Shiva

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CAREER OBJECTIVE

Aspiring Software Engineer with a strong foundation in Data Structures and Algorithms (**LeetCode rating: 1895, CodeChef rating: 1654(3 star)**), passionate about building scalable, user-centric applications. Proficient in the MERN stack, Machine Learning, and Deep Learning, with hands-on experience in developing full-stack solutions and intelligent systems. Currently expanding knowledge in Low-Level Design to engineer robust, maintainable systems. Driven by a mission to create impactful technology that bridges real-world challenges and cutting-edge innovation. Eager to contribute to forward-thinking teams focused on AI, system design, and products that benefit both the company and the common man.

EDUCATION

- **Bachelor of Technology in Artificial Intelligence and Data Science, JNTUH.** 2022-26
Vardhaman College of Engineering, Shamshabad CGPA: 9.4
- **Intermediate in MPC, Telangana Board of Intermediate Education (TGBIE).** 2020-22
Narayana Junior College, Champapet CGPA or Percentage: 98.4%
- **Tenth Class, Telangana State Secondary School Certificate Examination (SSC).** 2020
Sri Triveni School, Champapet CGPA or Percentage: 10.0

KEY SKILLS

Programming Languages: Python, Java, JavaScript

Machine Learning & Data Science : TensorFlow, Scikit-Learn, OpenCV, NumPy, Pandas, Matplotlib, Seaborn, Data Analysis, Model Deployment

Full-Stack & Web Development: MERN Stack (MongoDB, Express.js, ReactJS, Node.js), RESTful APIs, State Management, UI Frameworks (Bootstrap)

Backend & Databases: MySQL, MongoDB, Functional Programming Concepts, API Design

Core CS Concepts: Data Structures & Algorithms (LeetCode rating: 1868), Object-Oriented Programming (OOP), Operating Systems, Database Management Systems (DBMS), Software Design Principles (learning LLD)

Cloud & DevOps: AWS (EC2, S3, Lambda basics), Deployment Pipelines

Tools & Environments: Git, GitHub, VS Code, Linux/Unix (Bash), Windows

PROJECTS

Real-time chatting application using Socket.io

🔗 [GitHub Link](#)

- Designed and deployed a full-stack real-time chat application with ReactJS (frontend), Express.js (backend) and Socket.io .
- Developed RESTful APIs and optimized SQL queries to handle concurrent user requests efficiently.

Gesture-Based Authentication System

- Built a gesture recognition system using convolutional neural networks (CNNs) to enable secure, contactless authentication in various lighting conditions.
- Applied OpenCV and TensorFlow for video preprocessing and neural network training.
- Conducted thorough evaluations to ensure robustness and accuracy in real-time application scenarios.

A website for college event (Link: <https://mun.vardhaman.org/>)

🔗 [GitHub Link](#)

- Built a website for a college event named Model United Nations(MUN) using NextJS(Frontend), NodeJS(Backend), MongoDB(Database).
- Hosted the website using GitHub

AWARDS AND ACHEIVEMENTS

- **1895 LeetCode Rating:** Demonstrates advanced problem-solving skills and proficiency in algorithms and data structures
- **1654 (3 star) CodeChef Rating:** Consistently excels in competitive programming challenges
- **Team Leadership:** Led a 10-member team in a strategic case study for EverNorth Insurance, delivering insightful results

EXTRACURRICULAR ACTIVITIES

- Currently, I am a mentor for Smart Interviews for batch 2027. In this, I mentor juniors in DSA.