

Sarika Reddy Anikalla

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PROFILE

Computer Science undergraduate with a strong foundation in **data structures, algorithms,** and **object-oriented programming**. Experienced in building **full-stack web applications** using the **MERN stack**. Proficient in **C++, Java, Python,** and **JavaScript**. Contributed as a **co-author** to a published **research paper on machine learning**. Actively involved in technical communities, including the **Turing Hut coding club** and the **Computer Society of India (CSI)**.

SKILLS

- **Languages:** C++, Python, Java, JavaScript, R
- **Web Development:** HTML5, CSS3, React.js, Node.js, Express.js, Bootstrap
- **Databases:** MongoDB, MySQL
- **API Development:** RESTful APIs using Node.js/Express.js
- **Tools & Platforms:** Git, GitHub, VS Code, Linux
- **Coursework:** Data Structures, Operating Systems, OOP, DBMS, RESTful API Design

EDUCATION

Computer Science and Engineering 09/2023 – 05/2027
Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology
CGPA : 9.43

Intermediate 06/2021 – 07/2023
Narayana Junior College (MPC)
Percentage - 97.9%

School 05/2021
TVR Model High School(SSC)
GPA : 10

PUBLICATIONS

“Enhancing Machine Learning Models with Polynomial Regression”
Co-author : Anikalla Sarika Reddy
Published in the Proceedings of the International Conference on Digital Humanities 2025

- Collaborated on research exploring how polynomial regression enhances model accuracy in non-linear prediction tasks.
- Contributed to analysis of model tuning, feature scaling, regularization techniques, and optimal degree selection.
- Presented as part of the technical session at an international academic conference.

CERTIFICATES

Supervised Machine Learning: Regression and Classification [↗](#)
DeepLearning.ai

Unsupervised Learning, Recommenders, Reinforcement Learning [↗](#)
DeepLearning.AI [↗](#)

PowerBi Basics
Computer Science Society of India (VNRVJiet)

PROJECTS

Intern-E – Internship Management Portal [↗](#)

Built for VNRVJiet using MERN stack

- Developed a portal for students to **upload and track internships**; enabled login-based access.
- Designed **admin dashboards** to monitor internship statistics by **branch** and **semester**.
- Displayed data insights and **feedback summaries** using dynamic visualizations.

Bridge Between Trusts and Villages [↗](#)

05/2025

Community Web Platform | Node.js, MongoDB, JS

- Engineered scalable backend APIs using Express.js for structured trust-village interaction.
- Designed a responsive frontend using **HTML5**, **CSS3**, and **vanilla JavaScript**.
- Optimized load time and reduced latency by **30%** through API refactoring.
- Applied **OOP principles** and **custom data structures** in business logic design.

Blog App

02/2025

React.js + Node.js Full-Stack App

- Created REST APIs for **CRUD operations** with **authentication** via Clerk.
- Stored and managed post/user data in **MongoDB**; enabled **real-time updates**.
- Showcased complete integration of **frontend and backend workflows**.

ACHIEVEMENTS

Blogathon

2nd Prize (Convergence 2023)Awarded for **technical blogging and writing skills** in a competitive event.

COCURRICULAR

• Member of Turing Hut (Coding Club of VNRVJiet)

• Member of CSI (Computer Science Society of India)