Sarika Reddy Anikalla

✉ sarikareddyanikalla178@gmail.com　📞 +918688468808　📍 Hyderabad, India

in linkedin.com/in/anikalla-sarika-reddy-809428292　○ github.com/sari-ka

PROFILE

Computer Science undergraduate with hands-on experience in **C++, Java, and Python**. Strong foundation in **object-oriented design, data structures, algorithms**, and complexity analysis. Proficient in developing full-stack web applications using the MERN stack, with additional familiarity in **HTML, CSS, and JavaScript frameworks like React**. Comfortable working with **SQL** and **relational database** concepts. Experienced in designing and consuming **RESTful APIs**, and building performant, reliable software solutions from scratch.

SKILLS

- **Languages**: **C++**, Python, Java, JavaScript, R
- **Web Development**: HTML5, CSS3, JavaScript, 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

EDUCATION

Computer Science and Engineering　　　　　　　　　09/2023 – 05/2027
Vallurupalli Nageswara Rao Vignana Jyothi Institute of　　　　Hyderabad, India
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
Presented at the **International Conference on Digital Humanities 2025**. This paper explores how **Polynomial Regression** improves predictive accuracy by capturing **non-linear relationships**. We analyze its advantages over l**inear regression,** along with **feature scaling, regularization, and optimal degree selection** for better model performance..

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

Bridge Between Trusts and Villages   05/2025
- Built a responsive web platform using **HTML5, CSS3, and JavaScript** for seamless user interaction
- Developed backend services with **Node.js** and **Express.js**, enabling structured, API-based communication
- Utilized **MongoDB** for efficient data management and retrieval
- Improved load time and response speed by **30%** through API optimization and frontend performance tuning
- Applied **object-oriented principles** and **data structures** to design scalable backend logic

Blog App   02/2025
- Created a full-stack blog application using **React.js, HTML, CSS, and JavaScript**
- Developed **RESTful APIs** for creating, editing, and deleting blog posts with **Node.js** and **Express.js**
- Integrated **MongoDB** for structured storage and quick access of post and user data
- Implemented **user authentication** with **Clerk** and added real-time updates for enhanced user experience
- Demonstrated practical understanding of **web frameworks, authentication flows**, and **frontend-backend integration**

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)