

# Sarika Reddy Anikalla

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## 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

<b>Computer Science and Engineering</b> Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology <b>CGPA : 9.43</b>	09/2023 – 05/2027 Hyderabad, India
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<b>Intermediate</b> Narayana Junior College (MPC) <b>Percentage - 97.9%</b>	06/2021 – 07/2023
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<b>School</b> TVR Model High School( SSC ) <b>GPA : 10</b>	05/2021
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## 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 **linear 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**

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

Built for VNRVJiet using MERN stack

- Developed a portal for students to upload internship documents, including **application letter, offer letter**, and **NOC**.
- Implemented **login-based access** for students to view their **past, ongoing**, and **upcoming** internships.
- Enabled **admins** to monitor and track internships **branch-wise** and **semester-wise** with categorized status.
- Created **visual dashboards** to display internship data and **feedback summaries** for college use.

## 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)