

SATHWIK MADARAPU

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EDUCATION

Vasavi College of Engineering, Hyderabad

August 2019 - May 2023

Bachelor of Engineering in Computer Science & Engineering

9.22 CGPA

TECHNICAL KNOWLEDGE

STRONGEST AREA	Data Structures and Algorithms, Object Oriented Programming, DBMS,SQL
LANGUAGES	C/C++, Java, PHP, Python
WEB TECHNOLOGIES	HTML,CSS,JavaScript,React JS,Angular,Django,React Native,Bootstrap,MongoDB
TOOLS	Visual Studio Code, Git/Github

EXPERIENCE

Software Engineer

February 2023 - Present

Brane Enterprises Private Limited

Hyderabad

- Spearheaded the creation and deployment of an ERP web application for 2000+ employees, enhancing operational efficiency by 20%. **Tech Stack:** Angular, Django.
- Engineered and launched a mobile ERP application using **React Native**, boosting user engagement by 40% and reducing bug reports by 25%.
- Designed a productivity analysis platform with **React**, optimizing task allocation efficiency by 30%.

Girl Script Summer Of Code (GSSOC)

February 2021 - May 2021

Open Source Contributor

Hyderabad

- Resolved over 10 issues in the Algo-Phantoms/Algo-Tree repository, improving project stability and functionality.

PROJECTS

Ecommerce Website

Technologies: HTML, CSS, Bootstrap, Angular, Django

- Increased user satisfaction by 25% by architecting a responsive e-commerce platform with advanced features(reviews, Q&A, FAQs) and enhancing UI/UX. Collaborated with the team lead to improve design and functionality, resulting in a more intuitive and engaging user experience. [↗](#)
- Optimized platform stability and performance by implementing rigorous testing protocols, reducing load times by 15% and increasing system reliability by 20% through data-driven bottleneck resolution.

Sorting Visualizer

Technologies: Python Tkinter

- Built interactive visualizations for sorting algorithms (e.g., Bubble Sort, Selection Sort) using Python and Tkinter, increasing student engagement and understanding by 30%. [↗](#)

Gym Website

Technologies: HTML, CSS, JavaScript, PHP, MySQL

- Engineered a comprehensive gym management web application incorporating user signup, class scheduling, and personalized workout plans, resulting in a 30% boost in user engagement and enhanced usability through mentor-guided improvements. [↗](#)

CERTIFICATIONS

- Programming in Java, NPTEL
- Programming, Data Structures, and Algorithms using Python, NPTEL
- Build React App from Scratch, Udemy
- Build Responsive Real-World Website with HTML and CSS, Udemy

ACHIEVEMENTS

- Ranked among Top 20 out of 300+ participants in HackX Hackathon by Scaler.
- Mentored 20+ students at DevIncept, providing hands-on support in tech.

EXTRA-CURRICULAR ACTIVITIES

- Led fundraising events and distributed educational materials as a Coordinator at Street Cause Vasavi, benefiting over 300 children.
- Directed and executed health camps, cleanliness drives, and educational workshops, positively impacting over 500 individuals with the National Service Scheme (NSS).