

UMA SAI PAVAN TANUKULA

3rd-year Computer Science & Design Student — Full Stack Developer

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Career Objective

Motivated and enthusiastic Computer Science and Design student with hands-on experience in front-end web development using React.js, JavaScript, and modern web technologies. Passionate about building scalable, responsive applications and contributing to agile development teams. Possess foundational knowledge of backend technologies, enabling a full-stack perspective. Seeking an opportunity in a dynamic environment to apply and expand skills through innovative, end-to-end projects..

Education

B.Tech in Computer Science & Design <i>SRKR Engineering College, Bhimavaram</i>	2024 – 2027
Diploma in Computer Science <i>D.N.R Polytechnic College, Bhimavaram</i>	2021 – 2024
School <i>ARKR Municipal High School, Bhimavaram</i>	2017 – 2021

Technical Skills

Programming Languages: Java, Python

Frontend: HTML5, CSS3, React.js, Bootstrap, Tailwind CSS, Responsive Design

Backend: RESTful APIs, MySQL, PHP

Tools & Technologies: Git, GitHub, VS Code

Projects

SRKR-CSD/CSIT-HOUSES | *React.js, CSS* **2024**

- Frontend developer for a full-stack **responsive web app** that manages and displays points for five department houses (Agni, Vayu, Prithvi, Jal, Aakash)
- Designed interactive UI components to display weekly scores, house rankings, and a real-time leaderboard
- Ensured a smooth user experience across devices with responsive design principles
- Live Project: [csd-it-house.vercel.app](#)

NeuroNest: Supportive Web Platform for Neurodiverse Children | *React.js, JavaScript, Design Thinking* **2024**

- Developed a responsive web platform to support children with **Autism Spectrum Disorder (ASD)**, **Attention Deficit Hyperactivity Disorder (ADHD)**, and **Dyslexia**, addressing challenges in communication, social interaction, and learning
- Designed a parent-friendly dashboard for personalized learning paths, progress tracking, and behavior insights
- Ensured accessibility, simplicity, and emotionally sensitive UI for an inclusive experience
- Live Project: [nueroempowerment.vercel.app](#)

EduAccess: Career Path Guidance Platform for Students | *React.js, Node.js, MongoDB, Tailwind CSS* **2025**

- Developed a web platform enabling students to explore and choose career paths across multiple domains, with personalized step-by-step guidance for each chosen path
- Integrated curated resources including links, playlists, and domain-specific learning materials to support structured career progression
- Implemented secure user authentication and profile management to track individual progress and preferences
- Built an interactive community system for peer-to-peer discussions, mentorship, and collaborative learning
- Focused on responsive design, intuitive navigation, and scalability to handle a growing student base

Achievements & Certifications

District Level Quiz Competition – 1st Prize – Secured first place at the District level quiz competition

Certifications: Java (Swarnandhra Institution), Python (Swarnandhra Institution)

GeeksforGeeks Full-Stack Developer Bootcamp (10 Weeks) – Completed intensive training covering frontend and backend development

Selected for GDG Hackathon – Participated in GDG hackathon

Machine Learning Workshop – Participated in workshop organized by ACE Engineering College Club