

# UMA SAI PAVAN TANUKULA

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

📞 9347480682 ✉ [umasaipavantanukula@gmail.com](mailto:umasaipavantanukula@gmail.com) [in](#) [LinkedIn](#) [GitHub](#)

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

## 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 Children with Autism | *React.js, JavaScript, Design Thinking* **2024**

- Developed a responsive web platform to assist children with **Autism Spectrum Disorder (ASD)**, addressing challenges in communication, social interaction, and learning
- Designed a parent-friendly dashboard for personalized learning paths, progress tracking, and behavior insights
- Applied **Design Thinking methodology** through surveys, interviews, and empathy mapping with parents to identify pain points and define user needs
- Ensured accessibility, simplicity, and emotionally sensitive UI for an inclusive experience

### 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