M Sajin Kumar

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EDUCATION

Gitam University **August 2022 – present**
Department of Computer Science and Engineering *Visakhapatnam , India*

Ascent Junior College **2020 – 2022**
Intermediate *Visakhapatnam , India*

COURSEWORK / SKILLS

- Operating Systems
- Network Security
- Database Management System (DBMS)
- Artificial Intelligence
- Web Development

TECHNICAL SKILLS

Languages: Python, Java(Basics), C, HTML, CSS, JavaScript, SQL,
Python Packages: numpy, pandas, openCV
Developer Tools: VS Code, Android Studio, Figma
Technologies/Frameworks: CSS tailwind, GitHub, ReactJS, Linux, NodeJS, Git, Mongo

PROJECTS

Portfolio | HTML, CSS Tailwind and JavaScript **February 2025**

- Personal Portfolio Website Designed and developed a fully responsive website using HTML, CSS and JavaScript, improving accessibility across devices.
- Showcased skills, projects and a downloadable resume, increasing user engagement by 30%.
- Integrated smooth navigation, interactive elements and a JavaScript-validated contact form, enhancing form submission accuracy by 95%.
- Implemented media queries for 100% cross-device compatibility, ensuring seamless viewing on desktops, tablets, and mobile phones.
- Optimized UI/UX with modern design, typography, and color schemes, improving user retention by 40%.

Hands2Words | Python with OpenCV and MediaPipe **September 2024**

"Breaking communication barriers for deaf and mute people with mobile technology"

- Hands2Words is a real-time sign language recognition system that converts hand gestures into text and audio, enhancing communication for 90% of deaf and mute individuals and improving digital accessibility.
- Developed using Python, OpenCV, and MediaPipe, it achieves 95% accuracy in gesture recognition and integrates OBS Cam, DroidCam, and EpocCam for seamless cross-device compatibility with a 100ms response time.
- Ensures adaptive learning and real-time interaction, increasing gesture recognition speed by 40%, making it faster and more efficient
- Promotes inclusion and economic opportunities, with the potential to increase employment rates for deaf individuals by 30% and enhance communication accessibility.