

SIDDHANT JHA

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EDUCATION

Vellore Institute of Technology, Bhopal
Bachelor of Technology (CGPA: 8.47))

Madhya Pradesh, India
November, 2022 - Present

AG DAV Centenary Public School
X (Scored 86%) & XII (Scored 80%) | CBSE Boards

New Delhi, India
July, 2020 - July, 2022

EXPERIENCE

Microsoft Club Member

August, 2023 - August, 2024

- Gained hands-on experience with Microsoft technologies such as Azure, Power BI, and Office 365, improving my coding, cloud computing, and software development skills.
- Made over 300 connections with peers, alumni, and Microsoft professionals, facilitating valuable networking and mentorship opportunities.
- Improved my communication, presentation, and time-management skills through various club activities and events.

PROJECTS

Image Encryption Using AES Algorithm

May, 2024

VIT Bhopal | Project Exhibition 02

Team Project

- Led the design and implementation of an image encryption system using the AES algorithm, ensuring data confidentiality and integrity in digital environments.
- Amplified system performance through optimizations such as parallel processing and advanced key management mechanisms.
- Revamped communication and presentation skills by leading 5 club events that resulted in engagement from over 200 participants; feedback scores improved by 40% on average, demonstrating increased effectiveness in conveying ideas.

Sign Language Converter

November, 2023

VIT Bhopal | Project Exhibition 01

Team Project

- Engineered a Python-based application that utilizes OCR libraries to interpret hand gestures and convert them into corresponding text, facilitating communication for individuals using sign language.
- Implemented functionality to translate text back into sign language gestures, enabling two-way communication between users and enhancing the accessibility of the tool.
- Led a cross-functional initiative to design and implement a communication platform tailored for the mute community; facilitated 5 workshops that enhanced user engagement and established a feedback loop for continuous improvement.

SKILLS & CERTIFICATIONS

Languages: Java, Python, C++, SQL (Oracle, Postgres), HTML/XML, Javascript, CSS, Angular, PHP

Frameworks: React, Node.js, WordPress, Flask

Tools: Visual Code Studio, Google Cloud Platform, VIM, Git, Pycharm, Spline, Figma

Certifications: Cloud Computing (NPTEL), Bits & Bytes (Google), Data Analysis In Python (IBM)