SIDDHARTH JHA

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Education

Bachelor of Technology in Computer Science and Engineering	2022 – Present
Vellore Institute of Technology	*CGPA: 8.42/10.0*
Senior Secondary Education (Class XII, CBSE)	2021 – 2022
Happy Model School,New Delhi, India	*CGPA: 9.55/10.0*
Secondary Education (Class X, CBSE)	2019 – 2020
Happy Model School,New Delhi, India	*CGPA: 9.28/10.0*

Technical Skills

Programming Languages: Python, Java, JavaScript, MySQL, HTML, CSS
Frameworks and Libraries: React, Scikit-Learn, Matplotlib, Pandas, NumPy
Tools and Platforms: Git,Android Studio, Visual Studio Code, AWS

Projects

Sentiment Analysis Using Multi Modal Algorithm   Python,Selenium, BeautifulSoup4
- Built automated data pipelines with Selenium BeautifulSoup to scrape dynamic social media and e-commerce content, boosting data accuracy for sentiment analysis.
- Applied NLP and Generative AI on text, images, and videos, achieving more than 85% accuracy in sentiment classification and generating product listings.
- Contributed to designing a scalable architecture for real-time trend adaptation, enabling dynamic product descriptions and pricing strategies.

Parkinson's Disease Diagnosis   Python, Scikit-Learn, Matplotlib, CNN, RNN
- Developed machine learning models using spiral image analysis and voice data to assist early Parkinson's diagnosis.
- Attained 98% accuracy with CNN and RNN models, validated on 1,000+ patient datasets
- Generated Matplotlib visualizations to support medical diagnostics and research analysis

Rakshini – Women's Safety Android Application   Kotlin, Java
- Built Android application for women's safety and health management with emergency response features
- Implemented SOS functionality using SmsManager API and FusedLocationProviderClient to send emergency alerts with location data to trusted contacts
- Developed period tracking module and integrated educational resources for comprehensive health management

Extracurriculars

- Sports enthusiast, participated in inter-school cricket tournament, and currently part of an active football team.
- Create multiple 3D models using Blender, and I have learned some video editing skills.
- Imarticus Android App Development Certification (2025)

Languages

English: Professional Working Proficiency | **Hindi:** Native Speaker