

SIDDHARTH YADAV

+91 9910517388 - siddharth.yadav2023@vitstudent.ac.in - <https://github.com/Siddharth-Y26>

EDUCATION

Vellore Institute of Technology, Chennai B.Tech in Computer Science and Engineering (AI & ML) CGPA: 8.97 <ul style="list-style-type: none">Relevant Coursework: Machine Learning, Data Structures and Algorithms, DevOps.Artificial Intelligence (Python), Web Development (JavaScript).	Expected: 2027
Apeejay School Saket, New Delhi CBSE Class 12th : 92%	

EXPERIENCE

VIT Chennai – Department of Computer Science Research Intern Remote <ul style="list-style-type: none">Engineered 16 machine learning models including 4 novel hybrid models.Designed a dynamic model selection mechanism to automatically select the best 10 models per run and generate accurate average predictions.Developed an intelligent ensemble system for predicting power output of a Solar Updraft Tower.Achieved substantial improvement in RMSE and R² values across test cases.	May 2025 – July 2025
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PROJECTS

Speech to Sign Language Converter Technologies: Python <ul style="list-style-type: none">Built a Python-based system that converts spoken words into sign language videos.Created a custom video dataset by recording sign gestures manually.If a word wasn't found in the library, the system generated spelling gestures letter-by-letter.	Team Project - Semester 1
Urban Escapade: Online Interactive Tourism Platform Technologies: JavaScript, HTML, CSS, React, Firebase, Weather API <ul style="list-style-type: none">Developed a full-stack tourism web application with HTML, CSS, JavaScript, and React.Embedded interactive maps for exploring destinations and navigation.Integrated weather and transit APIs to provide real-time travel insights.Implemented firebase backend to store and verify user logins.	Semester 4
Log Anomaly Detection System using BERT <ul style="list-style-type: none">Designed a system to detect anomalies in Linux system logs using a fine-tuned BERT model.Achieved high precision and recall in anomaly detection on large-scale log data.	Team Project - Semester 4

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML, CSS
Frameworks, Libraries and Tools: React, Node.js, Git, Docker
Concepts: Machine Learning, DevOps