Arpit Chandra Singh

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Education

VIT Bhopal University	*2022 - Expected 2026*
B.Tech in Computer Science Engineering [GPA: 8.34/10.0]	
Class XII	*2021*
Calcutta Public School, West Bengal [Percentage: 89.66]	
Class X	*2019*
Calcutta Public School, West Bengal [Percentage: 90.71]	

Technical Skills

Languages: Java, Python, JavaScript, C++, SQL, HTML, CSS

Libraries: React, Node, Scikit-learn, Numpy, Pandas

Technologies: PostgreSQL, Linux, Git, Bash

Concepts: Data Structures and Algorithms (Java), Machine Learning, Cloud Computing, Operating Systems

Soft Skills: Time Management, Critical Thinking, Creativity, Team Work

Projects

Crop Yield Predictor - Machine Learning

- Web Application to predict crop yields for different states in India based on past recorded data points, helping farmers optimize their practices
- Trained a **Machine Learning** model using **Decision Tree Regression**, predicting crop yields with an accuracy of 96%
- Used **Python** including libraries like **Scikit-Learn, Numpy** and **Pandas** to train the model, **Flask** to connect website to model

Medical Appointment Website - NLP, Directed Chatbot

- Developed a multilingual Chatbot to provide guidance and first aid for non-critical symptoms for a medical appointment website, **Curawave**
- Created a **Directed ChatBot** with **Python** using **Chainlit** to design User Interface and an **Asynchronous Request and Response** system
- Used **Python** for **Natural Language Processing**, **Vosk** for **Speech to Text**

Achievements

- Cleared the 1st Round of TCS CodeVita
- Cleared the 1st Round of the Hackathon - HackOn With Amazon Season 5
- Completed Bits and Bytes of Computer Networking Certification (Google, Coursera)
- Obtained AWS Solutions Architect - Associate Certification (Ethnus)
- Obtained Salesforce Developer Certification (Ethnus)