

# SIDDHANT JHA

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## EDUCATION

**Vellore Institute of Technology, Bhopal** Madhya Pradesh, India  
Computer Science Engineering | B-Tech (CGPA: 8.47) November, 2022 - Present

**AG DAV Centenary Public School** New Delhi, India  
X & XII | CBSE Boards July, 2020 - July, 2022

## EXPERIENCE

**Microsoft Club Member** August, 2023 - August, 2024

- Gained Knowledge about 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

**Digit Recognition using Neural Network** Personal Project | May, 2025

- Built a 3-layer neural network from scratch using NumPy, achieving ~88% training accuracy on synthetic datasets.
- Implemented forward/backward propagation, loss functions, and gradient descent without deep learning libraries.
- Boosted training speed by 40% using NumPy vectorization for optimized matrix operations.

**HarvestHub: ML Driven Agricultural Assistant** Team Project | December, 2024

- Developed responsive UI using React.js and CSS, improving page load time by 30%.
- Integrated frontend with REST APIs to enable real-time data display and dynamic user interactions.
- Enhanced UX with reusable components, reducing code redundancy by 40% and accelerating development.

**Fake News Detector** Personal Project | June, 2024

- Built a fake news classifier using Logistic Regression and TF-IDF, achieving ~93% accuracy on test data.
- Processed and vectorized 10,000+ news articles with NLP techniques for feature extraction and model training.
- Deployed model using Streamlit for real-time news authenticity prediction.

## SKILLS & CERTIFICATIONS

**Languages:** Python, C++, MySQL, HTML, Javascript, CSS, Jupyter, React.js  
**Tools:** Visual Code Studio, Google Cloud Platform, Github, Pycharm, Spline, Figma  
**Certifications:** Cloud Computing (NPTEL), Bits & Bytes (Google), Data Analysis In Python (IBM), Marketing Analytics (NPTEL), Cyber Security Analyst (IBM), GenAI using IBM Watsonx (IBM)