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 | Division 1 | 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.

Skills: Neural Network Architecture | Machine Learning from Scratch | Feature Engineering | NumPy

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 UI
- Enhanced UX with reusable components, reducing code redundancy by 40% and accelerating development.

Skills: Frontend Development | RESTful APIs | User Interface (UI) | User Experience (UX) | Web Application

Fake News Detector   Personal Project | June, 2024
- Built a fake news classifier using Logistic Regression and TF-IDF, achieving 93% accuracy.
- 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: Natural Language Processing (NLP) | Predictive Analytics | Real-Time Prediction | Data Visualization

SKILLS and CERTIFICATIONS

Languages/Frameworks: Python, C++, MySQL, HTML, Javascript, CSS, React.js, NumPy, Streamlit
Tools: Visual Code Studio, Google Cloud Platform, Github, Pycharm, Spline, Figma, MATLAB
Certifications: Cloud Computing (NPTEL), Bits & Bytes (Google), Data Analysis In Python (IBM), Marketing Analytics (NPTEL), Cyber Security Analyst (IBM), GenAI using IBM Watsonx (IBM)
Portfolio Website: https://portfolio-website-git-main-sjs-projects-5e9c291d.vercel.app