

Siddhant Singh

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EDUCATION

Vellore Institute of Technology

B.Tech (Information Technology) - **CGPA – 7.93**

2021– 2025

Vellore, Tamil Nadu

Umanath Singh Hr. Sec. School

CBSE Class XII - **Percentage – 92.2%**

2020– 2021

Jaunpur, UP

St. Patrick's Sr. Sec. School

CBSE Class X - **Percentage – 92%**

2019

Jaunpur, UP

EXPERIENCE

BHEL FSIP – “Summer Training Intern” (Aug’23- Sep’23)

- Engineered an Employee Management Application, improving employee attendance accuracy by 30% through the integration of an attendance machine using PHP, Laravel, and MySQL.
- Executed comprehensive testing and streamlined optimization, reducing system errors by 20% and increasing HR efficiency by 15%.

Softpro India Computer Technologies – “Machine Learning Intern” (Aug’23- Sep’23)

- Built and refined machine learning models that enhanced data analysis speed by 25% using Python.
- Collaborated with a team of 5 to address complex problems, improving project completion speed by 10%.
- Enhanced algorithm efficiency by 15%, resulting in faster data processing and more accurate insights.

PROJECTS

EasyWay / Python, HTML, JavaScript, Streamlit framework, Web Development

- Designed a travel app that reduced user costs by 20% by identifying the most affordable travel paths, now used by 100+ customers.
- Enabled real-time booking and live location sharing, connecting 50+ users with auto drivers, enhancing local transportation accessibility.

EMI Defaulter Prediction / Python, Machine Learning, Pandas, Numpy, Scikit-learn

- Created a predictive model with 94% accuracy, utilizing Random Forest and AdaBoost algorithms to forecast EMI defaults, enhancing risk management for 10+ clients.
- Reduced training time by 20% by optimizing data preprocessing and balancing techniques, improving the model’s scalability and performance for large datasets.

Employee Management Application / PHP, Laravel Framework, MySQL, Git, Jira

- Automated attendance tracking and HR processes for 200+ employees, increasing data reliability by 30% and cutting manual errors by 25%.
- Implemented role-based access control, improving the application’s security by limiting access to sensitive employee data, which led to a 40% reduction in unauthorized data access.

SKILLS

Technical Skills: C++, SQL, Python, Java, JavaScript, Node.js, MongoDB, Machine Learning, GitHub.

Financial Skills: Financial Modeling, Data Analysis, Risk Management, Capital Markets Knowledge, Investment Analysis

Other Skills: Competitive Coding, Automation, Project Management, Debugging, Conceptual Thinking, Statistical Analysis, Data Visualization Tools (Tableau, PowerBI).

EXTRA-CURRICULAR

- Won multiple strength contests at VIT
- Led school leadership training at USM Indore, 2018
- Sports: Football, Cricket, Running, Badminton

ACHIEVEMENTS

- Achieved a remarkable score of 96.60 percentile in JEE Mains (2021)
- 2nd prize in Devspace’22 hackathon
- Served as a Purchase Team Coordinator for Riviera 2023