

# Shreya Sinha

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## PROFESSIONAL SUMMARY

Final-year B.Tech CSE student at VIT Vellore with expertise in Java, Python, and full-stack development. Experienced in automating workflows, building scalable applications, and applying ML models with quantifiable business impact.

## EDUCATION

<b>Vellore Institute of Technology</b>	Vellore
<i>BTech in Computer Science and Engineering,, CGPA: 8.93</i>	Sep. 2022 – Present
<b>ODM Public School</b>	Bhubaneswar
<i>Class 12<sup>th</sup>, Percentage: 91.2%</i>	May. 2019 – April 2021
<b>City Montessori School</b>	Lucknow
<i>Class 10<sup>th</sup>, Percentage: 95.8%</i>	July 2014 – May 2019

## SKILLS

**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS

**Frameworks and Tools:** React, Node.js, Spring Boot, RESTful API, Git, VS Code

**Libraries:** Pandas, NumPy, Matplotlib, openpyxl, Seaborn

**Database Management:** SQL, NoSQL, MongoDB

**Data Structures and Algorithms:** DSA, Design and Analysis of Algorithms

**Soft Skills :** Innovation, Collaboration, Enthusiasm for Learning, Effective Communication, Focus, Creativity, Leadership, Team Spirit, Critical Thinking, Capacity Building and Adaptability

## EXPERIENCE

<b>Software Intern</b>	June 2025 – July 2025
<i>Indian Oil Corporation Limited</i>	Ahmedabad, Gujarat
• Automated <b>Revenue Budget Availability Reports</b> using Python (pandas, openpyxl), reducing processing time by 95%.	
• Increased reporting accuracy from 90% → 100%, saving 5–6 hrs/month through error elimination and faster insights.	
• Enabled weekly distribution-ready reports with dynamic filenames, improving financial visibility.	

## PROJECTS

<b>Blockchain-Based Reputation System for Decentralized AI Marketplace</b>	Jul 2025 – Nov 2025
<i>Solidity, Python, Truffle, Ganache, Web3.py, PyTorch, Scikit-learn, Node.js, Git</i>	
• Developed a decentralized reputation system securing 10+ federated learning clients by deploying a Solidity smart contract on Ethereum and integrating it with a Python anomaly detector, ensuring verifiable trust and reliable malicious client detection.	
<b>Blogging Application</b>   <i>MongoDB, Express, React, Node.js</i>	June 2024 – July 2024
• Developed secure CRUD blog platform, reduced manual effort 80%, improved engagement 30%, optimized response times by 40%.	
<b>Diabetes Prediction System</b>   <i>Python, Pandas, Scikit-learn, PyCharm</i>	Nov 2024 – Jan 2025
• Trained ML model with 85% accuracy on PIMA dataset; reduced irrelevant features by 25%, improving training efficiency.	

## CERTIFICATIONS

<b>Full Stack Web Development in Java</b>	June 2024 – July 2024
<i>Imarticus</i>	
• Gained hands-on expertise in front-end and back-end development with Java.	
• Engineered a full-stack web solution leveraging React, MySQL, MongoDB, RESTful APIs, and Docker to analyze GitHub datasets.	
<b>Data Science and AI Professional</b>	Jan 2025 – May 2025
<i>KICT</i>	
• Acquired proficiency in Python for Data Science, Machine Learning, Data Visualization, AI, and Deep Learning.	
• Applied supervised and unsupervised learning techniques to real-world datasets, enhancing predictive accuracy and insights.	