

# SHUBHAM VERMA

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## Education

<b>Vellore Institute of Technology, Bhopal</b> <i>Bachelor of Technology in Computer Science and Engineering</i>	<b>September 2021 – May 2025</b> CGPA: 9.02
<b>Sanskar Public School, Gwalior</b> <i>Class XII</i>	<b>May 2019 – May 2021</b> CGPA: 8.24
<b>Gwalior Glory High School, Gwalior</b> <i>Class X</i>	<b>May 2019</b> CGPA: 8.00

## Technical Skills

Languages: C++, Java, MySQL, Python, Pandas, Numpy, Scikit Learn, OpenCV  
Developer Tools: AWS, Github, VSCode, Android Studio  
API: Google Gemini API

## Certifications

AWS Cloud Practitioner	December 2023
NPTEL Cloud Computing	May 2024
IamNeo Data Structures and Algorithm	May 2024

## Experience

<b>Wise Work</b> <i>Software Engineer Intern</i>	<b>January 2024 – July 2024</b> <i>Bangalore, Karnataka</i>
<ul style="list-style-type: none"><li>Engineered a comprehensive Student Management System using Figma for intuitive design and SQL for efficient database management, improved data retrieval speed and reduced administrative errors by 25%.</li><li>Developed an efficient backend structure containing intricate SQL queries in MySQL, resulting in a 25% decrease in data processing time and improved management system performance.</li></ul>	

<b>Celebal Technologies</b> <i>Cloud Infrastructure &amp; Security</i>	<b>May 2024 – July 2024</b> <i>Jaipur, Rajasthan</i>
<ul style="list-style-type: none"><li>I gained hands-on experience in data center operations, including applying load balancing across multiple virtual machines, and comprehensive networking concepts such as three-tier architecture, IP addressing, OSI model, and virtual networks.</li></ul>	

## Projects

<b>Money Mentor: AI-Powered Loan and Financial Advisory Tool</b>   <i>Flask, Gemini API, MySQL</i>	<b>November 2024</b>
<ul style="list-style-type: none"><li>Developed an AI-powered application to predict loan approvals, provide business ideas, and offer personalized financial advice using a chatbot integrated with Google Gemini API.</li><li>Implemented advanced analytics and machine learning for improved decision-making accuracy, leveraging Flask for the backend and MySQL for database management.</li><li>Designed an intuitive user interface with HTML/CSS and JavaScript, enhancing user engagement and financial planning capabilities.</li></ul>	
<b>Hyderabad Metro Map routing using Dijkstra's Algorithm.</b>   <i>Python, C++, HTML, CSS, JavaScript</i>	<b>June 2024</b>
<ul style="list-style-type: none"><li>Created a real-time web application for calculating shortest paths between Hyderabad Metro stations, reducing average commute time.</li><li>Analyzed Dijkstra's Algorithm in C++ to optimize route planning, reducing time by 20% and improving accuracy of minimum distance calculations between source and destination stations.</li></ul>	

## Research Paper

<b>Applications of Computer Vision and Drone Technology in Agriculture 4.0.</b>	<b>March 2024</b>
<ul style="list-style-type: none"><li>Authored Chapter 8 on Computer Vision applications in agriculture, published by Springer Nature Singapore; provided actionable insights that boosted crop yield predictions by 25%, available on Amazon &amp; Springer.</li></ul>	

## Extracurricular & Achievements

<b>NPTEL Cloud Computing, IIT Kharagpur</b> <i>Secured Silver Certification with Elite status in IIT Kharagpur's NPTEL Cloud Computing.</i>	<b>Silver Certification</b> <i>May 2024</i>
<b>Google Developer Hackathon</b> <i>Achieved 4th runner-up position out of 280+ national submissions in the Google Developer Hackathon.</i>	<b>4th Runner-up</b> <i>April 2023</i>
<b>AdVITya, VIT Bhopal</b> <i>Managed AdvITya at VIT Bhopal, coordinating 50+ volunteers and boosting event attendance by 40%.</i>	<b>Event Manager</b> <i>February 2024</i>