

SHUBHAM VERMA

+91 6260728159 genzsde@gmail.com linkedin.com/in/genzsde github.com/genzsde

Education

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering

September 2021 – May 2025

CGPA: 9.02

Sanskar Public School, Gwalior

May 2019 – May 2021

Class XII

CGPA: 8.24

Gwalior Glory High School, Gwalior

May 2019

Class X

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

Wise Work

January 2024 – July 2024

Software Engineer Intern

Bangalore, Karnataka

- 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%.
- 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.

Celebal Technologies

May 2024 – July 2024

Cloud Infrastructure & Security

Jaipur, Rajasthan

- 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.

Projects

Money Mentor: AI-Powered Loan and Financial Advisory Tool | *Flask, Gemini API, MySQL*

November 2024

- 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.
- Implemented advanced analytics and machine learning for improved decision-making accuracy, leveraging Flask for the backend and MySQL for database management.
- Designed an intuitive user interface with HTML/CSS and JavaScript, enhancing user engagement and financial planning capabilities.

Hyderabad Metro Map routing using Dijkstra's Algorithm. | *Python, C++, HTML, CSS, JavaScript*

June 2024

- Created a real-time web application for calculating shortest paths between Hyderabad Metro stations, reducing average commute time.
- 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.

Research Paper

Applications of Computer Vision and Drone Technology in Agriculture 4.0.

March 2024

- 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 & Springer.

Extracurricular & Achievements

NPTEL Cloud Computing, IIT Kharagpur

Silver Certification

Secured Silver Certification with Elite status in IIT Kharagpur's NPTEL Cloud Computing.

May 2024

Google Developer Hackathon

4th Runner-up

Achieved 4th runner-up position out of 280+ national submissions in the Google Developer Hackathon.

April 2023

AdVITya, VIT Bhopal

Event Manager

Managed AdVITya at VIT Bhopal, coordinating 50+ volunteers and boosting event attendance by 40%.

February 2024