

Priyanshi Gangrade

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Education

Vellore Institute of Technology (VIT), Bhopal

B.Tech in Computer Science with Minors in Cloud Computing & Automation

May 2026

CGPA - 9.05 /10

12th Standard

Macro Vision School, Burhanpur

July 2022

CBSE Cumulative: 80.2%

10th Standard

Bhandari Public School , Khandwa

July 2020

CBSE Cumulative: 85.8%

Technical skills:

Programming: Java, C++, Python, JavaScript. | **Cloud:** AWS (EC2, S3, Lambda), Docker, Jenkins, CI/CD

ML/AI: TensorFlow, CNN, MobileNetV2. | **Databases:** SQL, NoSQL | **Tools:** Git, Agile Methodologies

Projects

AI-Powered E-commerce Fraud Detection System Using Computer Vision

July 2025

- Developed a computer vision-based fraud detection system using TensorFlow.js & MobileNetV2, reducing fraudulent returns by 85% for SMBs.
- Enhanced model with **custom CNN layers** for product authenticity verification (224x224 RGB input).
- Integrated **multilingual (11 languages) voice workflows** using Web Speech API for non-English sellers.

IoT-Based Smart Agriculture Solution with Machine Learning

Nov 2024

- Built an IoT irrigation system using Arduino, moisture/temperature sensors, automating water delivery.
- Optimized scheduling with a **Decision Tree model**, improving water efficiency by **30%**.
- Reduced manual intervention via **real-time sensor-driven relay control**, maintaining optimal soil conditions.

Achievements and Certifications

- Published Research Paper – IEEE :** Authored "Edge and Fog Computing in Cyber-Physical Systems" for IEEE, analyzing decentralized computing for IoT optimization; proposed framework designs with applications in smart cities and autonomous vehicles.
- Top 50 Finalist – Meesho's ScriptByHer Hackathon:** Selected from 36,000+ participants for the prototype phase, designed ReturnShield.AI, an AI-powered solution to combat e-commerce return fraud.
- Top 10 Finalist – Arthneeti, IIM Nagpur :** Secured a Top 10 position for proposing a sustainable EV infrastructure plan for rural India in a national-level public policy competition.
- IBM Certified** in DevOps, Agile, and Design Thinking

Extracurricular Activities

- Event Lead – FeedBox Club :** Organized and executed multiple events, managing end-to-end logistics and coordinating cross-functional teams for smooth delivery. Oversaw planning, resource allocation, and participant experience.
- Technical Team Member – MUN Club :** Programmed, maintained, and optimized the club's official website, ensuring responsive design, functionality, and a seamless user experience for participants.

Languages

Languages: Hindi, English