Aryaman Gupta

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EDUCATION

Name of course	Passing Year	Name of institute	CGPA/%
Btech– Computer Science	2026	Vellore Institute of Technology, Bhopal	8.48/10.0
Class XII, CBSE	2021	Yak Public School	78%
Class X , CBSE	2019	Yak Public School	85%

ACADEMIC ACHIEVEMENTS AND AWARDS

- Appointed **youngest secondary vice-captain** in school for academic excellence and co-curricular activities.
- Qualified for **the Regional Mathematics Olympiad**, showcasing advanced problem-solving skills.
- Achieved All India **Rank 126** in the National General Knowledge Competition.
- Won first place and prize money in two college-level technical hackathons.
- Worked as a research assistant for a college professor on Hyperspectral Imaging and QGIS.

EXPERIENCE & LEADERSHIP

Relation Manager, TEDx, VIT Bhopal **2023 January to present**

- Spearheaded a TEDx event featuring two MIT professors on the future of computing, managing event planning, guest relations, and logistics for 350+ attendees.

Core Tean Member, Microsoft Club, VIT Bhopal **2023 August to present**

- Led two hackathons and one seminar, boosting student engagement by 40% and fostering innovation in cloud computing and AI.

TECHNICAL PROJECTS

Disease Detection in Plants Using Image Recognition

- Developed a cloud-based Convolutional Neural Network (CNN) model for plant disease detection using TensorFlow Lite, achieving 91% accuracy in identifying potato leaf diseases (late blight, early blight).
- **Deployed** a mobile-optimized AI model for **real-time plant disease detection**, reducing manual diagnosis time by **40%** and enhancing farmer adoption.
- **Tech Stack:** TensorFlow, TensorFlow Lite, ReactJS, React Native, Firebase – deployed on **cloud-based infrastructure** for real-time data processing.

Ongoing Research: Hyperspectral Imaging for Agriculture

- **Engineered** AI models to analyse **hyperspectral crop data**, improving disease detection accuracy by **25%** over traditional imaging methods.
- Tech Stack: TensorFlow, Python, OpenCV, MATLAB.

CERTIFICATIONS & TRAINING

- Cyber Security and Systems – NPTEL | 65% | 4 months
- Machine Learning and Data Science Program – GeeksforGeeks | 91% | 2 months
- Virtual Reality Game Development using Unity – Coursera |97% | 4 months
- GIS Data Acquisition and Map Design – Coursera | 5 months

TECHNICAL SKILLS

- Python (Intermediate), C++ (Intermediate), TensorFlow, TensorFlow Lite, MATLAB (Beginner) , AWS (EC2, S3), Google Cloud, Docker ,Game Development: Unity, Virtual Reality, GIS & Computer Vision: OpenCV, GIS Data Acquisition , SQL,MS PowerPoint, Canva