Aadya Gupta

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Education

VIT Bhopal	**2022 – 2026**
BTech in Computer Science	CGPA - 9.02

Technical Skills

Languages - C++, Kotlin, Java, HTML, CSS, Python

Data Structures - Data Structures and Algorithm in C++, 250+ questions solved (200+ in Leetcode and 50+ in codeforces)

Technologies/Tools/Libraries: Github, Tensorflow, Android Studio

Projects

Measurify - Object Detection and Measurement App / *Kotlin, TensorFlow Lite*   **December 2024 - Present**
- Developed a mobile app to **detect objects** and provide physical **attributes like height, and width**.
- Utilized TensorFlow Lite for **real-time object detection**, achieving [95% accuracy].
- Delivered a user-friendly interface for seamless interaction and accurate measurements.

Lung Cancer Prediction Website / *Python, HTML/CSS (Frontend)*   **August 2024 - October 2024**
- Team-based project utilizing **Linear Regression** for **lung cancer prediction** with an accuracy of **96% training accuracy** and **92% test accuracy**, while the ensemble model reached 94% test accuracy.
- Provides information about **nearby doctors** and medical facilities for further consultation and support.
- Delivered actionable insights and interactive visualizations to support informed decision-making.

Flappy Bird Game - OOP-Based Project / *Java*   **September 2023 - November 2023**
- Designed and implemented a Flappy Bird game using core **Object-Oriented Programming (OOP) concepts**.
- Created algorithms for collision detection, scoring, and game dynamics, ensuring smooth gameplay.
- Showcased problem-solving and debugging skills through efficient error handling and optimization.

Extracurricular Activities and Achievements

- **Participated in OMI Apps Hackathon**: Successfully contributed innovative solutions during the event, showcasing teamwork and problem-solving skills.
- **100 Days of Code Completion Badge (Leetcode)**: Demonstrated consistency and commitment to coding by completing the popular 100-day coding challenge.
- **Weekly Contest Participation (Codeforces)**: Regularly participated in competitive programming contests, improving problem-solving and algorithmic skills.
- **NPTEL Cloud Computing Certification (Elite + Silver)**: Achieved Elite+Silver status in NPTEL's Cloud Computing course with **top 2% topper badge**, highlighting expertise in cloud technologies.
- **Campus Tech Fest Organizer**: Organized and led technical events at VIT Bhopal, enhancing event management and team coordination skills.
- **Published Paper in International Conference on Frontiers of Progress and Development in Technologies, Management, and Healthcare in the Modern Era**: Co-authored and presented a paper titled ***"Generative AI: A Review"***, exploring advancements in generative AI technologies and their applications across various fields.

Leadership - Community

- **Core Member of Fintech Club at VIT Bhopal** : Contributed to organizing events, managing social media strategies, and leading innovative fintech projects. Actively collaborated with peers to foster a thriving technical community
- **Core Member of Bashcraft Club, VIT Bhopal**: Actively participated in organizing coding events, workshops, and hackathons, fostering a collaborative environment for problem-solving and innovation in competitive programming.
- **Event Coordinator for CodeQuest Finanza**: Successfully led the flagship event, which featured a **Paper Trading Round** to simulate stock market trading and a **Tech Finance Quest,** combining coding challenges with financial problem-solving. Ensured smooth execution and active participation from students.