Adarsh Kumar

adarshgupta5002@gmail.com | LinkedIn | Portfolio | GitHub

EDUCATION

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science and Engineering
CGPA: 7.6 | Graduating: July 2026

WORK EXPERIENCE

NITI Aayog, Government of India, New Delhi
Intern – Security & Law Vertical | **October 2024 – December 2024**

- Compiled **4 in-depth reports** from **500+ datasets**, Streamlined data analysis, leading to a **25% faster decision-making** process.
- Coordinated efforts with **10+ ministries**, reducing data inconsistencies by **20%** and facilitated inter-ministerial coordination, reducing data discrepancies by **20%**.
- Identified critical gaps in the cybersecurity policies of **15+ government agencies**.
- Authored a **50-page policy framework**, influencing **2 national strategic initiatives**.
- Championed the coordination of time-sensitive cybersecurity research projects, streamlining communication between teams to achieve project completion **20% faster** than previous timelines while ensuring data accuracy and reliability.

PROJECTS

Full Stack Portfolio Website | [Link to Project]
Technologies: ReactJS, JavaScript, MySQL, PHP, HTML, CSS, Bootstrap

- Built **Interactive ReactJS UI** components with improved user engagement., while integrating Bootstrap for a consistent, cross-platform design.
- Optimized **MySQL queries**, improving database performance by 40%, and streamlined **server-side operations** with PHP, reducing page load times by 25%.
- Implemented **custom APIs** to enable real-time communication between front-end and back-end systems.
- Tested cross-browser compatibility on **5+ platforms** to ensure reliability, resolving compatibility issues to deliver a reliable and **scalable user experience**.

Web-Based Face Authentication System | [Link to GitHub]
Technologies: Python, OpenCV, Flask, MERN Stack

- Developed a **robust facial recognition system** achieving **98% accuracy**, enhancing **authentication security** and reducing fraudulent access attempts by **25%**.
- Improved user login speed by **40%** through algorithm optimizations, delivering a faster and more **seamless user experience**.
- Computational efficiency by reducing system processing time by **15%**.
- Collaborated in a **team** to design, implement, and test the system, applying **agile project management** to meet strict deadlines effectively.

Snake Game – Web-Based Interactive Game | [Deployed Link]
Technologies: HTML, CSS, JavaScript, Vercel

- Developed a **100% client-side** Snake game using **HTML, CSS, and JavaScript**, achieving a **60 FPS smooth gameplay experience**.
- Implemented an **game loop** with **collision detection and event-driven controls**, reducing input lag to **under 50ms**.
- Designed a **fully responsive UI** adjustable to **mobile and desktop screens**.
- Deployed on **Vercel**, ensuring **99.9% uptime** and fast global access.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Frameworks:** ReactJS, NodeJS, Express
- **Databases:** MongoDB, MySQL

Certifications & Achievements:
- The Bits & Bytes of computer networking (Google)
- Asia AI Odyssey Challenge (Top 10%)
- Participated in Multiple College Hackathons