Aditya Yadav

📞 +91 7991498768 | ✉ heyaadi2@gmail.com | 📍 Noida, IN | 💼 AdityaYadav

💻 github.com/AdityasWorks | ⑂ leetcode.com/u/AdityaYadav

Education

Bennett University (Times of India Group)	Greater Noida, UP
B.Tech in Computer Science, CGPA: 8.8/10 (3rd Year)	Sept 2022 – Sept 2026

Technical Skills

Programming Languages: Python, C++, Java, JavaScript, GO
Backend & API Development: Node.js, Express.js, FastAPI, RESTful APIs, WebSockets
Frontend Development: React.js, Tailwind CSS, Web Performance Optimization
Database & Cloud: MySQL, MongoDB, AWS, Docker
Automation & Scripting: Selenium, BeautifulSoup
Blockchain and Web3: Solidity, Hardhat, IPFS, Smart Contracts, HyperLedger Fabric
Development Tools & Methodologies: Git, GitHub, Postman, Visual Studio Code, JIRA, Agile methodologies

Projects and Publications

Layer8 ⬈ | *JavaScript, React, Python, FastAPI, Azure OpenAI, Gemini* — April 2025 – Present
- Architected Python/FastAPI middleware that sanitizes sensitive data before AI model interactions, **reducing exposure risk by 95%.**
- Built real-time PII anonymization pipeline with spaCy NLP and integrated SGX-based secure cloud processing.
- Created JavaScript Chrome extension enabling end-to-end encryption & decryption for browser-based AI tools.

AdGenAI ⬈ | *React, TypeScript, Azure GPT-4, DALL·E, Runway ML, Python* — Aug 2024 – Aug 2024
- Developed a full-stack web application to automate ad creation using GPT-4 for copy, DALL·E for images, and Runway ML for videos, **handling 100+ requests.**
- Delivered customizable brand-specific ad templates, **automating up to 90%** of the ad production workflow.

CitySync ⬈ | *JavaScript, React, Express.js, Solidity, Hardhat, IPFS* — Sept 2024 – Dec 2024
- Developed a scalable city governance platform with React, Vite, Express.js, and MongoDB, optimizing project management and inter-departmental collaboration.
- Implemented **IPFS-based blockchain system** for secure resource tracking and supply chain management.

WebSudoku Solver ⬈ | *Python, Selenium, BeautifulSoup4, NumPy* — July 2024 – July 2024
- Built an automation script using Selenium and BeautifulSoup to scrape and solve Sudoku puzzles from WebSudoku with a **100% success rate.**
- Implemented a backtracking algorithm to efficiently solve puzzles, reducing solution time by **50%.**

TSBT Framework Using Blockchain and Cybersecurity ⬈ | *ICCRDA (IEEE)* — Aug 2024 – Jan2025
- Proposed a multi-layered architecture leveraging IoT, Blockchain, and smart contracts for secure military communication and threat detection.

Certifications

- **Google** Google Cloud Computing Fundamentals • **University of Minnesota** Software Development Processes and Methodologies • **IBM** Exploratory Data Analysis for Machine Learning • **IBM** Introduction to Artificial Intelligence (AI)
- **University of California San Diego** Algorithmic Toolbox • **Google** Bits and Bytes of Computer Networks
- **Microsoft** Introduction to Computers and Operating Systems and Security

Leadership Experience

Minister of Branding | *Student Cabinet, School of CSE and Technology* — Aug 2023 – June 2024
- Led a 45-member team to organize large-scale tech events for 8000+ students, managing branding, digital assets, outreach, and collaborating with developers on frontend UI/UX for event websites.

Head of Design | *Bennett Undergraduate Research Society* — Sept 2023 – June 2024
- Led a 5-member team to design research promotions, boosting engagement and visual clarity across student and faculty presentations.