Ayush Gupta

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Work Experience

NULL CHAPTER, VIJAYAWADA | Technical Team Member   **Aug. 2023 - Present**

• Capture The Flag (CTF) Contest Contribution
Designed 2 challenging CTF questions for the NULL Chapter contest, testing participants skills in network Security and insecure design.

• Organizing Committee Member | India's First AI music concert "Harmony Unleashed"
Integral part of the team developing India's first AI music concert, "Harmony Unleashed" hosted by VITAP. Contributing to the planning and execution of innovative musical experiences blending Artificial Intelligence (AI) with live performance, which showcased 10 – AI generated compositions and attracted over 200 attendees.

Projects

Food App   (GitHub Link)   **July 2024 - Present**

• Building a Food App using Flutter, JavaScript, Node, Express and MongoDB.

• Designed application as a monolithic system, improving scalability by 20% and enhancing performance by 15%.

• Developed RESTful APIs to facilitate CRUD operations for account creation, food orders and payment integration, achieving 20% reduction in response time and 30% increase in cache hit rate.

White Board   (GitHub Link)   (Deployed Link)   **June 2024**

• Created a white board using Vanilla JavaScript, HTML and CSS.

• It has features like pencil with different colours, eraser, sticky notes, sticky images and download bords.

• Created Undo and Redo features for the board using Array as a stack by storing positions.

Excel Clone   **December 2023**

• Created a web version of excel using Vanilla JavaScript, HTML and CSS.

• All the features such as 2d grid, rows, columns, sheets, formula, and address bar were build using Vanilla JavaScript and CSS.

• Formula is implemented using DFS algorithm and evaluation of that formula is done using infix stack evaluation.

Skills

• **Frontend**: Javascript, React, HTML5, CSS3, Bootstrap, Tailwind

• **Backend**: Node, Express

• **Databases**: MySQL, MongoDB

• **Cloud**: AWS

• **Tools**: Git, Github, VS Code, Hoppscotch, Postman

• **Programming Languages**: Java, Javascript, Python

• **Coursework**: DSA, DBMS, Computer Networks, OOPS, OS, Software Engineering, AI

Education

Bachelor of Technology | Computer Science and Engineering   **Sep. 2022 – Sep. 2026**

• Vellore Institute of Technology, Andhra Pradesh, India   CGPA: 8.69

Achievements

LeetCode

• Achieved 6 Badges in LeetCode with proficiency in solving 400+ technical problems, with a contest rating of 1684.

First Position, Code-A-Thon | Among NULL Chapter

• Achieved 1st position in the Code-A-Thon competition showcasing proficiency in Java and Algorithm design.