

Aditya Sharma

Fourth Year Undergraduate Student
Computer Science and Engineering

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WORK EXPERIENCE

CAST Software, Bengaluru (Software Development Engineer) (Oct'23 - Present)

- Developed a delicate desktop application to facilitate **comprehensive** source code analysis, understanding and **architectural insights**.
- Frontend development of the CAST Imaging Analyzer, Utilizing the **Wails framework** with **React.js** for an intuitive user interface, catering to diverse operational environments.
- Developed a **dual-mode functionality**-
Online Mode: Implemented a **lightweight CAST analyzer** that performs rapid scans of applications, identifies underlying technologies, and seamlessly integrates with **CAST Imaging SaaS** for automatic result uploads, enhancing efficiency and security.
Offline Mode: Established a **robust local setup** designed for comprehensive scans without internet dependency, optimizing for storage efficiency. Facilitated post-scan reviews, enabling precise manual uploads to **CAST Imaging SaaS**, ensuring data integrity and control.
- Engineered an **intuitive** interface for **efficient navigation**, and initiation of the scanning process, ensuring a **user-friendly** experience.

CONTLO, Bengaluru (Software Development Intern) Experience Letter (Jul'23 - Oct'23)

- Development of long-term memory capabilities** for large language models, enhancing response relevance and **accuracy** by **65%**.
- Databases **Integration (Redis, Pinecone)** for vector storage.
- Implemented innovative AI algorithms** that improved overall system efficiency, resulting in a **30% reduction** in response.

GeeksforGeeks, Noida (Member of Technical Staff Intern) Experience Letter Articles (Oct'22 - June'23)

- Worked closely with the Core Data Structure and Algorithm team at GeeksforGeeks.
- Designed and developed the most viewed data structure and algorithm official tutorials e.g., **Dijkstra's Algorithm, Set, Map, Max-Heap, and Min-Heap**.
- Improved Customer/Viewer Experience by delivering top quality content and Visuals.

PROJECTS

Meeting Room Light Web-Application

- Developed a web video conference application using **Node.js, socket.io, and WebRTC** server, enabling users to hold online meetings and video conferences in real-time.
- Designed and implemented a **user-friendly interface**, providing a **seamless** experience for individuals and teams to **communicate effectively** from remote locations.
- Tech-Used: Node JS, Socket.IO, WebRTC, and CSS.

Eddy-Bot Prompt Based Generative AI Web Application

- Created a **highly efficient** prompt based generative AI web application using **OpenAI APIs** and **embedded JavaScript**, **revolutionizing** customer support and **problem-solving**.
- Utilized advanced **natural language processing techniques** for accurate and **speedy responses**, optimizing **productivity**.
- Regular participant on **LeetCode** contests, with **4-star** highest **rating of 1848**, user-sharmaaditya13064.

ACHIEVEMENTS

- LeetCode **Under Top 5% worldwide**, Rank 1022/22k+ in Biweekly Contest 99. Solved More than 1000+ Questions.
- 1.2 million+ views** on my articles covering **Data Structures, Algorithms, Web Development, and Computer Networks**, reflecting significant contributions to the tech community.
- Winner of Coffee&Code Hackathon**: Participated and **Won** a hackathon organized by UIET, Punjab University. Open Innovation Track Winner **Overall 2nd, 1/30+ teams**.
- Winner of CodeATHon 2nd Position**, Organized by AIEEE Society, Chitkara University.
- DSA Tutor: Got Opportunity from **Graphy** by **UnAcademy** to teach Programming, data structure and algorithms.

TECHNICAL SKILLS

Programming	Utilities	Web-Development
C, C++, Python	Git, Bash	HTML, CSS, JavaScript, REST-API, React JS, Express JS, NEXT JS

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2020 - 2024*	Bachelor of Technology	Chitkara University	9.6/10.0