

ADITYA SHARMA

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Technical Skills

Programming Languages: C++, Python, JavaScript, TypeScript, HTML5, CSS3
Frameworks: Next.js, React.js, Express.js, Material-UI, Redux, Node.js
Tools & Database: MongoDB, MySQL, Redis, Git, Nginx, WebRTC
Expertise: REST API, Frontend Development, Full Stack Development, Unit Testing

Working Experience

CAST Software

October 2023 – Present

Frontend Developer

Bengaluru, Karnataka

- Led end-to-end development of the **CAST Imaging Analyzer desktop application**, ensuring **on-time delivery** and designing a **scalable architecture** for enterprise clients across diverse industrial use cases.
- Enhanced a **SaaS platform UI** by building **scalable React components**, resolving critical bugs, and implementing **result pagination**, which reduced **API latency by 40%** and boosted **user engagement by 30%**.
- Performed **comprehensive load and stress testing**, achieving **99.5% uptime**, and ensured code quality through **systematic pull request reviews**.
- Collaborated with **cross-functional teams** to deliver feature enhancements, reducing **development time by 25%**.

Contlo

July 2023 – October 2023

Software Engineering Intern

Bengaluru, Karnataka

- Developed **long-term memory modules** for large language models using **Python** and **machine learning algorithms**, increasing **response accuracy by 65%** and improving **relevance in customer service interactions**.
- Integrated **Redis** and **Pinecone** vector databases for efficient **vector storage and retrieval**, reducing **query response time by 50%**.
- Built **AI algorithms** that reduced **irrelevant responses by 30%**, enhancing overall system reliability and user satisfaction.

GeeksforGeeks

November 2022 – June 2023

Member Of Technical Staff Intern

Noida, Uttar Pradesh

- Collaborated with the **core Data Structures & Algorithms content team**, refining technical material and conducting **in-depth technical reviews** to ensure **accuracy and educational clarity**.
- Authored **high-traffic programming tutorials** and technical articles with **1.8M+ views**, increasing community engagement by **35%** and delivering **valuable resources for developers**.

Projects

TaxYug.com | *React.js, JavaScript, Material UI*

Production Website

- Developed a **fully responsive tax services platform** using **React.js, JavaScript**, and **Material UI**, delivering a seamless user experience across **desktop, tablet, and mobile devices**.
- Built **dynamic features** including a **filterable blog system** and **complex tax calculation tools**, supporting **thousands of monthly active users** for efficient **tax processing and financial planning**.

Meeting Room Lite | *Node.js, Socket.IO, WebRTC*

GitHub Repository

- Developed a **real-time video conferencing web app** using **Node.js, Socket.IO**, and **WebRTC**, enabling **low-latency peer-to-peer communication** for **multi-user video sessions**.
- Implemented a **responsive UI** with **cross-browser compatibility**, ensuring a seamless experience across devices and major web browsers.

Achievements

Hackathons & Competitions

2020 – Present

Multiple Wins

Various Locations

- Winner** of Coffee and Code Hackathon: **1st place** Open Innovation Track, **2nd place overall**, UIET Punjab University
- Winner** of CodeAThon: **2nd Position**, AIEEE Society, Chitkara University
- LeetCode**: Top **7%** worldwide (Rank 14k/700k)
- LeetCode Rating**: **1846**, solved **1000+ problems**
- GeeksforGeeks**: solved **700+ problems**
- Published articles**: **1.8M+ views** on Data Structures, Algorithms, Web Development

Education

Chitkara University

Bachelor of Engineering in Computer Science and Engineering

- **CGPA: 9.65 / 10.0**

August 2020 – May 2024

Punjab, India