

# Vinayak Kumawat

+91 9521-445995 | [hello@iamvinayak.com](mailto:hello@iamvinayak.com) | [iamvinayak.com](http://iamvinayak.com) | [/linkedin](#) | [/github](#)

## EDUCATION

### Manipal University Jaipur

*B.Tech in Computer Science and Engineering (8.5 CGPA)*

2021 – 2025

*Jaipur, Rajasthan*

### Shri Pragya Public School

*Class X (86.17%) Class XII (94.40%)*

2019 – 2021

*Bijainagar, Rajasthan*

## COURSEWORK/SKILLS

— Data Structures and Algorithms — Object-Oriented Programming — Relational Database Management System  
— Operating Systems — Computer Networks — Web Development

## TECHNICAL SKILLS

**Languages:** C++, Javascript, TypeScript, SQL, HTML, CSS

**Technologies:** ReactJs, NextJs, NodeJs, ExpressJs, MongoDB

**Developer Tools:** Git, Docker, VS Code

## PROJECTS

### Matrixz - A Collaborative Platform | *Stream, NextJs, PostgreSQL, Docker*

- Developed a full-stack web application and integrated diverse technologies to create a seamless UI/UX.
- Optimized data management with Drizzle ORM and PostgreSQL, reducing data retrieval times by 25%.
- Implemented real-time video and audio features, and learned about real-time data handling.
- Developed skills in cloud deployment and container management for scalable applications.

### Live Vote Cloud | *Socket.io, NextJs, Redis*

- Developed real-time, collaborative applications using WebSockets for seamless user interactions.
- Implemented dynamic, responsive UI components with Tailwind CSS, enhancing user experience.
- Leveraged Redis for efficient data storage and real-time updates across distributed systems.
- Engineered a live word cloud visualization to display real-time voting results dynamically.

### Data Extraction API | *NodeJs, OpenAi, API, Postman*

- Built a robust data extraction API using Node.js and OpenAI, automating data retrieval processes.
- Utilized Zod for precise data validation and schema checking, ensuring reliable API responses.
- Designed and tested API endpoints with Postman, facilitating seamless interaction and debugging.
- Delivered structured JSON data in response to user requests, enhancing data accessibility and usability.

### File Formate Converter | *WebAssembly, ffmpeg, NextJs, TailwindCSS*

- Developed a client-side file format converter using WebAssembly for efficient media processing.
- Integrated FFmpeg for comprehensive media file conversion capabilities directly in the browser.
- Designed an intuitive user interface with Tailwind CSS and Shadcn UI for seamless user experience.
- Enabled drag-and-drop functionality for effortless media file uploads and conversions.

## INTERNSHIP

### Software Developer

*Software Development Centre*

Jan 2024 – May 2024

*MUJ*

- Gained hands-on experience with web technologies and project management using best engineering practices.
- Implemented agile methodologies to streamline development processes and adhered to development standards.

## CERTIFICATES

**IBM:** Getting Started with Enterprise-grade AI

**AWS:** AWS Academy Cloud Foundations

**Cisco:** CCNAv7 Enterprise Networking, Security, and Automation

**Oracle:** Database Foundations

**RedHat:** System Administration II