

# VANSH AGGARWAL

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## SUMMARY

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**Software Developer** with expertise in designing and building **scalable web applications**. Proficient in both **back-end and frontend development**, with strong experience in **Node.js, Express.js, MongoDB, and React.js**. Skilled in developing **RESTful APIs, authentication systems (JWT, bcrypt), database management, and cloud-based integrations**. Passionate about writing **efficient, maintainable code**, optimizing performance, and implementing best practices in **software architecture and security**.

## EDUCATION

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**Bachelor of Technology**, Computer Science and Engineering

2021 - 2025

*Relevant Coursework:* Frontend Development, Operating System, Data Structure, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases.

## SKILLS

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<b>Languages:</b>	JavaScript, SQL, Python
<b>Frameworks:</b>	React.js, Context API, Axios, TailwindCSS, MateriaUI, NodeJS, Express.js
<b>Tools:</b>	VS Code, Cursor, Figma, NPM, Github, GIT, MySQL
<b>Soft Skills:</b>	Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

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**Web Development Intern** ([certificate](#))

June 24 - July 24

Prasunet Company

- *DOM Manipulation:* Gained hands-on experience in DOM manipulation and Vanilla JavaScript, effectively enhancing interactive web applications.
- *Asynchronous Javascript:* Mastered Asynchronous JavaScript, improving performance and responsiveness in web projects.
- *Problem Solving:* Authored 5000+ lines of code across multiple tasks, demonstrating strong problem-solving skills and attention to detail.

## PROJECTS

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**Video Streaming Platform (Backend).** *Node.js, Express.js, MongoDB*

Built a **RESTful API** for a YouTube-like platform with secure **JWT authentication** and **refresh tokens**. Implemented **video upload, streaming, and metadata management** with Cloudinary for file storage. Designed a **subscription system, comment section, likes/unlikes, and playlist management**. Developed **channel analytics**, tracking views, subscribers, and video performance. Used **Mongoose, multer, bcrypt, and pagination** to optimize database queries and user experience. ([Try it here](#))

**Gemini Clone.** *React, Gemini API, Context API*

Implemented **progressive rendering** for seamless word-by-word data display. Designed **prompt history management** enabling instant reloading of recent prompts without response interference. Leveraged **Context API** for centralized state management of inputs, results, and loading indicators. Enhanced user experience with **dynamic loading indicators** during data fetch processes. ([Try it here](#))

## EXTRA-CURRICULAR ACTIVITIES

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- Actively post [work progress](#) and code files ([Linkedin](#), [Github](#)) to showcase the work, projects and progress to stay relevant in industry.
- Participated in hackathons like Juspay and TVScredit 6.0.