

AARAV AGARWAL

Software Engineer

+91-9219001562 • aarav.kp.08@gmail.com • <https://linkedin.com/in/aaravagarwal05> • Kanpur

Education

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| Vellore Institute of Technology | Bhopal, India |
| Bachelor of Technology - BTech, Computer Science Pursuing | Present |
| Swaraj India Public School | Kanpur, India |
| Class XII Percentage: 93.75% | 2023 |
| Swaraj India Public School | Kanpur, India |
| Class X Percentage: 92.60% | 2021 |

Summary

Aspiring Software Engineer with a strong foundation in **web development** and experience building full-stack applications. Skilled in **TS, JS, Python, Java, Node.js, React, Next.js, and MongoDB**, with a proven track record of building scalable and user-friendly projects. Passionate about leveraging technology to create impactful solutions, including a streaming platform and donation system.

Key Achievements

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| Enhanced Security Systems Implemented a robust authentication system using OAuth, enhancing security and minimizing risks of breaches and password leaks in applications. | Led Team Project Led a team of 5 in college while building a scalable streaming system, impacting 2000+ monthly users. | Built Donating Platform Developed a donating platform deployed to single region for now, impacting 500+ monthly users. |
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Skills

Programming Languages • TypeScript • JavaScript • Python • Java • C++

Full Stack Development • React • Next.js • HTML • CSS • TailwindCSS • Node.js • Express.js • Socket.IO

Database Management • MongoDB • Mongoose • MySQL • Prisma

Tools & Technologies • Docker • FFmpeg • AWS • S3 • HLS Streaming

Other Skills • API Development • Authentication • AI Integration • Responsive Design

Projects

Buy Me A Cookie

Built a **full-stack donation-based website** enabling secure transactions and real-time data analytics for users.

STREAMFLIX

Developed a **full-stack streaming platform** with features like group streaming, parental controls, and subscription plans.

Chat App

Built a real-time chat application with **Socket.IO**, enabling instant messaging, image sharing, and user presence tracking.