

# Kushagra Saxena

Software Developer | Engineer

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## Skills

**Programming Languages:** C++, Python, Java, JavaScript, TypeScript, SQL

**Tools and Technologies:** Django, React.js, Node.js, MongoDB, PL/SQL, MySQL, Linux/Unix, Microservices, AWS

**Others:** Object Oriented Programming Concepts, Operating Systems, Computer Networks, Data Structures and Algorithms

## Education

**Ganeshi Lal Bajaj Institute of Technology and Management**  
Bachelor of Technology - Computer Science and Engineering (AIML)

2020 - 2024  
CGPA: 8.75/10

## Work Experience

### Software Engineer

Itmth Technologies

Nov 24 - Present

- **Building thecrab.ai**, a Gen AI solution for **SnuckWorks** with **Python**, **NodeJS**, and **ReactJS**, enhancing operational efficiency by **20%**.
- **Optimizing** backend systems using **Python** and **NodeJS** to ensure high scalability and performance.
- **Implementing** Generative AI solutions to drive innovation and improve processes.

### SDE Intern

Commvault Systems

Feb 24 - Aug 2024

- **Enhanced** remote log collection efficiency, reducing process time by **18%** using C++ and Python.
- **Optimized** the Metrics Server feature, enabling data upload to a local server, improving user control and reducing cloud dependencies.
- **Streamlined** SLA reports management with **PL/SQL** and **JavaScript**, enhancing report accuracy and timeliness.
- **Enhanced** web server stability by identifying and fixing critical bugs in **Java** code, improving system reliability and reducing downtime.

### Backend Developer Intern

PocketFM

Jun 23 - Jul 23

- **Boosted** backend performance by **13%** through Python Django optimizations, improving platform scalability.
- **Collaborated** with cross-functional teams to maintain robust RESTful APIs, enhancing app responsiveness and user experience.
- **Diagnosed** and resolved performance bottlenecks, reducing latency and improving user experience.

### Backend Developer Intern

HCL Technologies

Sep 22 - Dec 22

- **Developed** a helpdesk application with Python and SQL, cutting average response time by 40% and elevating customer satisfaction by 25%.
- **Optimized** Django-based code, reducing server response time by 40%, resulting in significant performance improvements.

## Projects

### Let's VC (Django | Python | JavaScript)

[Link to GitHub Repo](#)

- **Built** a real-time video chat platform using **Django** and **WebRTC**, supporting seamless video/audio communication for 100+ users.
- **Implemented** secure authentication for private video sessions, enhancing user privacy and data protection.
- **Optimized** front-end with responsive design, boosting user engagement and cross-device compatibility by **30%**.

### Superbook - AI Notes & Book Writer (NodeJS | Typescript | MongoDB | React)

[Live](#) ~ Award Winning Project, Hackout'23 ★

- **Pioneered** an LLM-based system for **personalized book** content creation, optimizing book generation and user interaction.
- **Integrated Redis** for API optimization, enhancing content delivery speed and efficiency.
- **Enhanced** user experience with interactive notes directly embedded in books.

### People (Python | Django | HTML/CSS)

[Link to GitHub Repo](#)

- **Developed** a social media platform featuring **real-time** dynamic feeds and customizable user profiles for personalized interaction.
- **Implemented** a secure **user authentication** system, improving data security and user privacy.
- **Designed** a scalable database schema to efficiently handle large volumes of user-generated content.

### IntruderWatch (Python | Django | React | JS)

[Link to GitHub Repo](#)

- **Developed** IntruderWatch, a **canary token generator** to track unauthorized access to critical files, using **Python**, **Django**, and **React**.
- **Integrated Razorpay** payment gateway to manage user subscriptions, ensuring smooth payment handling.
- **Implemented Google reCAPTCHA** for enhanced authentication and security, protecting against bots and unauthorized access.

## Achievements

- Secured 2nd Runner-up Position at Hackout'23 by Headout

[Certificate](#)