

Kushagra Saxena

Software Developer | Engineer

Mobile: +918004353215 | Email: kushagrasaxena0426@gmail.com | [Portfolio](#) | [Github](#) | [LinkedIn](#) | Coding Profiles: [Leetcode](#), [GeeksforGeeks](#)

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 **Generative AI** solution for SnuckWorks, using **Python**, **NodeJS**, and **ReactJS** to streamline operations and enhance user experience.
- 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 24

- Worked on enhancing the efficiency of the **remote log collection** process (**Sendlogs**), ensuring smooth operations for the team.
- Improved the **Metrics Server** functionality to support data uploads locally, reducing reliance on cloud services.
- Developed solutions for 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

- Optimized backend processes using **Python** and **Django** to improve the app's scalability and maintain its high performance.
- 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** using **Python** and **Django** to streamline customer support and reduce average response times.
- Implemented a responsive user interface for the application utilizing **HTML**, **CSS** and **Javascript**.

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](#)