

Saurabh Kumar Sharma

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Dedicated Computer Science undergrad with a flair for identifying issues and creating viable solutions. Equipped with hands-on experience in various platforms and languages, I excel in developing software with secure design principles, honed through practical cybersecurity engagements. I bring an entrepreneurial mindset to the table, constantly ideating and transforming concepts into user-centric applications. Keen to leverage these skills in a research environment, offering innovative insights and a proactive approach to technology development.

Projects and Undertakings

Helmdall - real-time client monitoring and secure auditing platform (winning project for Kavach, 2023)

June, 2023 -

Co-Founder and Lead Engineer

- Drove the concept and strategy behind Helmdall, establishing its focus on real-time client monitoring and secure auditing.
- Engineered the system's architecture, using Rust to develop the client software, ensuring high-performance and scalability.
- Pioneered the implementation of advanced security protocols, setting new industry standards for client monitoring solutions.
- Led a multidisciplinary engineering team, successfully transforming technical specifications into a fully functional platform.
- Acted as CEO, overseeing business development, product strategy, and engineering efforts to achieve company objectives.

Shopydoo - local retail delivered fast to your doorstep.

June, 2022 -

Co-Founder and Backend Developer

- Spearheaded the ideation phase, contributing key insights that shaped the company's mission and strategy.
- Designed and implemented a scalable backend architecture using GoLang.
- Developed core algorithms for optimizing local delivery routes, enhancing operational efficiency.
- Worked closely with other departments to align technical development with business objectives.

ArchLinux User Repository

Package Maintainer

I am the owner and maintainer of 10 packages on the AUR.

Open Source

Contributor

I have made significant contributions to repositories owned and managed by larger organizations like SUSE and ArchStrike among others. I have also helped smaller projects by bringing them over to the AUR.

Relevant Work Experience

PrintHaste

2021

Full Stack Engineer

- Designed and developed a complete e-commerce website, handling both frontend and backend.
- Implemented the frontend using Vue.js, ensuring a responsive and user-friendly interface.
- Engineered the backend architecture using Django, facilitating a robust and scalable system.
- Integrated essential e-commerce features such as product catalog, shopping cart, and payment gateway.

Skills and Certificates

- Neural Networks and Deep Learning - [deeplearning.ai](#)
- C Programming with Linux Specialization [7 courses] - [dartmouth](#)
- Top 1% on TryHackMe
- Languages: Rust*, C/C++, Python, Bash, Java, Perl

Achievements

- Winner of Kavach, 2023
- Eclipse Ambassador with Space India, National Rank #37
- Prabhat Khabar Pratibha Sammaan

Education

Techno India University, Salt Lake

B.Tech - Computer Science and Engineering with Specialization in AI

August, 2021 - 2025

GPA: 8.97 / 10.00

Kalyani Central Model School, Kalyani

CBSE, Computer Science

April, 2020

87%

Don Bosco School, Bandel

ICSE, Computer Science

April, 2018

97%