

Rajat Kumar Singh

📧 rajatsinghten | 🌐 rajatsingh10 | ✉ rajatkumar_singh@srmap.edu.in | 📞 +91 8840212375

SUMMARY

A driven Computer Science student with expertise in web development, IoT-based systems, and AI-driven projects. Enthusiastic about building scalable and efficient solutions.

WORK EXPERIENCE

Web Developer, GeniScience Pvt Ltd May 2024 – Present
Spearheaded the design, development, and maintenance of a responsive and user-friendly website for a STEM-focused startup. Collaborated with the team to integrate e-commerce functionality, optimize user experience, and ensure seamless performance across devices.

PROJECTS

SecureOps - A Browser Extension for Website Protection GitHub Repo
Developed a Chrome extension that locks access to websites using blockchain-based authentication. Features include rate-limiting, modern UI, and automatic data clearing.

Silver Ion Detection and Water Quality Testing Kit GitHub Repo
Created a low-cost water quality testing kit using Raspberry Pi and sensors for real-time silver ion, chlorine, and bacterial contamination detection. Integrated AWS DynamoDB for data upload and alerting.

RFID Automation for Entry and Exit Management GitHub Repo
Built an automated lab entry/exit system using ESP32, RFID, and Firebase. The system logs attendance in real-time, enhancing lab security and operational efficiency.

ACHIEVEMENTS

- Won **Secure X Hackathon**, an international hackathon organized by SRM University AP and BSI Learning, Australia, for creating a website-blocking extension with rate-limiting functionality.
- Won **9Hacks Hackathon**, organized by NTL Lab, for developing an automated entry and exit management system using RFID technology.
- Secured a **100% scholarship** for academic excellence at SRM University AP.

EDUCATION

2023 – Present	B.Tech in Computer Science SRM University AP	(CGPA: 9.13)
2023	Class 12, VidyaGyan School, Sitapur	(88.4%)
2021	Class 10, VidyaGyan School, Sitapur	(94.5%)

SKILLS

Programming Languages	C, C++, Python, HTML, CSS, JavaScript, SQL
Tools	WordPress, Google Firebase, AWS DynamoDB, MongoDB Atlas, Git, GitHub
IoT	Raspberry Pi, ESP32, RFID Technology, Arduino Programming
Other Skills	Web Development, Database Management, Problem-solving