

Rohit Kumar Sah

sahrohit.com.np | +1 618-217-9577 | sahrohit9586@gmail.com | linkedin.com/in/sahrohit | github.com/sahrohit

EDUCATION

Southern Illinois University, Edwardsville, IL

Master of Science in Computer Science (Partial Tuition Fee Waived)

(expected 2026)

Università degli Studi di Milano Statale, Milan, Italy

Foreign Student Exchange Program (Tuition Fee Waived)

Marks: **27/30**

Feb. 2023 — Jul. 2023

Amrita School of Engineering, Chennai, India

Bachelor of Technology Computer Science and Engineering (Full-Ride Scholarship)

CGPA: **8.66/10**

Aug. 2019 — Jul. 2023

EXPERIENCE

Technimus

Software Engineer

Apr. 2024 – Present

Kathmandu, Nepal

- Developed and maintained **multi-tenant React and Node** applications, **scaling the platform** to serve over 1M monthly requests while ensuring accessibility and compliance with REST and W3C standards.
- Optimized schema and queries** in **multi-schema PostgreSQL** databases, enhancing scalability and reducing query times by 20%, ensuring high availability and data isolation.
- Led regular meetings** with team members and clients to track progress, resolve challenges, and ensure feature delivery in alignment with organizational goals, contributing to a 50% improvement in delivery timelines.

Tech Central Pvt. Ltd.

Frontend Engineer

Oct. 2023 – Apr. 2024

Kathmandu, Nepal

- Ensured **web performance** and **accessibility** by incorporating Lighthouse metrics into development practices, consistently achieving high scores across all projects.
- Utilized **CSS preprocessors (SASS)** with **BEM patterns** to efficiently style the web application using mobile first style, resulting in a consistent and visually appealing user interface.
- Streamlined front-end workflows using Gulp to **automate repetitive tasks** such as minification and compilation; saved an average of 5 hours weekly on manual processes, allowing focus on feature development.

PROJECTS

OSOM: Overseas Student Operation Management | React, Typescript, REST

Jul. 2024

- Developed comprehensive **CRM** for education consultancies, featuring student management, task tracking, and visa scheduling, serving **20+ consultancies** in Nepal, processing **500,000+ monthly network requests**.
- Integrated student portal featuring document management, visa tracking, and course enrollment systems, while implementing an intuitive, **feedback-driven** dashboard for **real-time progress monitoring**.

HEX 2023 Website (Event, Hackathon & CTF) | Astro, Docker, AWS

Jul. 2023

- Volunteered in **designing** and **developing** websites for HEX Himalaya, including hackathon, events list, and CTF sites (also member of the CTF organization team) organized by Himalaya College of Engineering.
- Optimized website to score **100% in Lighthouse in all factors** and implemented strategic keywords for top-notch search engine rankings handling over **25,000 requests in 36 hrs.** timespan.

TECHNICAL SKILLS

Web Development: React.js, TypeScript, GraphQL, Node.js, Express.js, Next.js, Zustand, TRPC, Tailwind CSS

Database & Streams: PostgreSQL, Firebase, Redis, Sci-kit Learn, Weka, PyTorch, Tableau

Data Science: Sci-kit Learn, Weka, PyTorch, Tableau

Productivity Boost: Git, VS Code, Vim (Basics), Bash, AWS, Docker, Adobe Suite, Microsoft Office Suite

OTHER DETAILS

Scholarships: Compex Scholarship Program (Indian Embassy, Nepal) — Mahatma Gandhi Scholarship.

Research Paper: Sah R., Amrutha G., Manasa, Chapagain B., & Padmavathi A. Performance Evaluation of Movie-Based Recommendation Systems using Hybrid Machine Learning Models. International Conference on IoT Based Control Networks and Intelligent Systems ICICNIS 2023.

Relevant Courses: Linear Algebra, Probability & Stats, Big Data Analytics, Machine Learning, etc.

Additional Activity: Mentor for Cognizance (College Club) for 2 years — Live-in-Labs (Research for development & sustainable solutions) — Mentor and Core Organization Team for Hex Himalaya Website, Hackathon, CTF, etc. — Volunteered in Traffic Policing — Bungee jumped from the world's 2nd highest platform.

Languages: English (fluent) — Nepali (fluent) — Hindi (conversational) — Japanese (beginner)