

SWAPNANIL SINHA

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[Github Profile](#) | [My Portfolio](#)

SUMMARY

A full-stack developer with 4+ years of experience in JavaScript, React.js, Node.js, MySQL, with expertise in data structures and algorithms, Git versioning, Linux, Grafana, front-end and backend development, clients & stakeholder management and techno- functional roles.

EXPERIENCE

Sigmoid Analytics | *Software Development Engineer II - Full Stack* Jul 2025 - Present

- Leading the development of advanced data analytics solutions, focusing on scalable architectures and high-performance data processing.
- Developing and maintaining scalable data pipelines and analytics solutions using NextJs, TypeScript, AI Recommendation Engine.
- Collaborating with cross-functional teams to design and implement data-driven solutions, ensuring high performance and reliability.

Comviva Technologies | *Senior Software Engineer* Jan 2022 - Jul 2025

Developed scalable APIs and USSD value-added services for mobile banking systems, aligning with streamlined software development life cycle practices.

- Implemented user-friendly web features for the LEAP product utilizing Node.js and React.js, ensuring a seamless, pixel-perfect user interface with integrated HTML and CSS.
- Analyzed complex time-series data from InfluxDB and created dynamic KPI dashboards using Grafana, transforming intricate data into actionable insights.

Ckuens Analytics | *Data Science Intern* Jul 2021 - Sep 2021

Engineered machine learning models using Python to classify and predict heartbeat signal anomalies with rigorous testing and validation.

- Processed and analyzed large datasets with NumPy, Pandas, and Matplotlib, delivering actionable insights and presenting findings to senior management.

PROJECTS

HSR Run Club - Web App | [Visit](#) | *Freelance* Jun 2025 - Present

- Developed a responsive and community-centric website for HSR Run Club, aimed at streamlining event coordination and runner engagement. The platform includes robust backend features for event scheduling, participant registration, and a full PhonePe payment gateway integration to ensure secure and hassle-free transactions.
- The platform has upgraded and exposed the organisation to nearly 80% more engagement and is a popular choice among event goers.

Hotel Bookings Management Application | [Visit](#) Aug 2024 - Sep 2024

- Developed an Airbnb-inspired user interactive web application on Vercel, utilizing TypeScript and Next.js for a seamless user experience. Utilized Git for version control throughout the project, with the repository publicly accessible.
- Created the interface using the shaden/ui library, and efficiently handled user, property, and booking data with Prisma DB, built on PostgreSQL/MongoDB.
- Integrated user account management using Clerk API and payment processing using the Stripe API.

LEAP Studio Platform Feature Improvement | *Comviva Technologies* Jan 2024 - Jul 2025

- Developed and deployed features from inception to testing, elevating Leap to an enterprise-level tool.
- Rapidly developed and implemented new features using React, Express, and Node.js.
- Features received positive feedback and have boosted customer productivity by upto 35%.

Airtel Money | *Comviva Technologies* Aug 2024 - Jul 2025

- Designed and implemented a user-friendly interface to manage Merchant and Subscriber financial transactions.
- Set up dedicated Leap instances to ensure secure and interference-free monetary transactions for users across 14 countries.
- Successfully integrated UNO-FLARES, Mobiquity, and Leap Studio for seamless system interoperability.

Abhi Skill - Upskilling Platform Jul 2020 - May 2021

- Created an online skill-based learning platform for blue-collar workers to upskill and establish a community around their skills.

SKILLS

- **Frontend Development:** HTML, CSS, React.js, Next.js
- **Backend & Frameworks:** Node.js, Express.js, Authentication, Microservices
- **Programming Languages:** JavaScript, TypeScript, Python
- **Databases:** SQL, InFluxDB, Redis, MongoDB, PostGresQL, Supabase
- **Tools & Technologies:** Linux, Git Versioning, Grafana, Microsoft Office, Data Structures and Algorithms, AWS, Vercel, Azure AD

EDUCATION

SRM Institute of Science and Technology

Bachelor of Technology, Electronics and Communication Engineering (GPA: 8.53 / 10.0)

Jun 2018 - May 2022

ACHIEVEMENTS

- **Freelance Web Apps** | Developed web applications similar to the HSR Run Club platform for multiple clients, delivering tailored solutions that enhanced community engagement and received positive feedback.
- **Event Management** | Led over 15 successful community events under HSR Run Club, fostering local engagement and participation. Additionally, coordinated two high-impact technical events during SRM Aarush '19 and '20, driving innovation and hands-on learning among attendees.
- **Comviva Hackathon 2023** | Runner up for developing a demo chatbot for Leap. Users could interact with the bot to get tips, data samples, and screenshots, enabling a understanding of how to navigate and utilize the tool effectively.