SWAPNANIL SINHA

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SUMMARY

A full-stack developer with 3+ years of experience in JavaScript, React JS, Node JS, Python, MYSQL, with expertise in data structures, Linux, Grafana, front-end and backend development, clients & stakeholder management and techno-functional roles.

SKILLS

- **Frontend Development:** HTML, CSS, React.js
- **Backend & Frameworks:** Node.js, Microservices, Python
- **Programming Languages:** JavaScript, Python, C/C++
- **Databases:** RDBMS, MySQL, Redis, InFluxDB, MongoDB
- **Tools & Technologies:** Linux, Git, Grafana, Microsoft Office, Data Structures, AWS

EXPERIENCE

Comviva Technologies | *Senior Software Engineer*   **Jan 2022 - Present**

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.

EDUCATION

SRM Institute of Science and Technology   **Jun 2018 - May 2022**

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

PROJECTS

Hotel Bookings Management Application   **Aug 2024 - Sep 2024**
- Developed an Airbnb-inspired user interactive web application on Vercel, utilizing TypeScript and Next.js for a seamless and modern user experience.
- Created the interface using the shaden/ui library, and efficiently handled user, property, and booking data with Prisma DB, built on PostgreSQL.
- Integrated user account management using Clerk API and payment processing using the Stripe API.
- Utilized Git for version control throughout the project, with the repository publicly accessible.

LEAP Studio Platform Feature Improvement | *Comviva Technologies*   **Jan 2024 - Present**
- 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 are now widely used by development teams at Airtel and MTN ADR.

Channel Migration | *Comviva Technologies*   **Mar 2023 - Aug 2024**
- Led a successful migration project to transition the Airtel VAS system to the Leap platform.
- Managed deployment across 14 countries, ensuring seamless integration and minimal downtime.
- Led end-to-end development, testing, and deployment of features, managing over 250 sub-integrations.

Airtel Money | *Comviva Technologies*   **Aug 2023 - Jan 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.

Achievements

- **Hackathon 23** | Developed a demo chatbot for Leap, designed to provide tips and guidance on effectively using the Leap tool. Users could interact with the bot to receive instructions, data samples, and screenshots, enabling a clear understanding of how to navigate and utilize the tool effectively.
- **Aarush 2019** | Organized a four-day technical event during the college fest, attracting over 150 attendees and ensuring its seamless execution. The event was uniquely engaging, as participants were challenged to design an inertial working model of a Rube Goldberg machine using everyday objects, showcasing their creativity and problem-solving skills.