

SAHIL KUMAR SHARMA

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PROFESSIONAL SUMMARY

Versatile Software Engineer & Developer skilled in MERN, Next.js, and Python with hands-on experience in building scalable apps, AI-powered systems, and custom plugins. Proficient in React, Firebase, SQL, Flask, and ML models. Passionate about solving real-world problems through elegant UI, secure backends, and automation-driven tools.

EXPERIENCE

Detour Berlin *Developer*

January 2025 – Present

- Led the development of a fully responsive, animated website using Next.js, React, and Tailwind CSS, improving page load speed by 35% and increasing mobile compatibility by 100%.
- Engineered a secure membership system with JWT-based authentication and passcode access, enabling over 50+ VIP user entries and monthly/yearly subscription handling.
- Integrated dynamic UI animations using Framer Motion and GSAP, enhancing user engagement and session time by 40% through luxury-themed microinteractions.
- Developed and maintained scalable backend APIs using Node.js with SQL and Firebase support, handling real-time data for two brands under one platform.

PROJECTS

Smart Face Recognition Attendance System

[Github](#)

- Developed an AI-powered real-time face recognition and liveness detection system using OpenCV, dlib and face_recognition, improving spoof prevention accuracy by 95%.
- Built a secure React.js + Flask web dashboard with JWT-based admin login, enabling real-time attendance tracking and 100% automated logging into SQLite database.
- Engineered anti-spoofing techniques including blink, head, and mouth movement detection, reducing false attendance entries by 90% and enhancing system reliability.

Terraform S3 Static Site Hosting

[Github](#)

- Deployed a fully cloud-native static website on AWS S3 with Route53, CloudFront, and ACM, improving load times by 70% using CDN and SSL integration.
- Automated CI/CD pipeline using GitHub Actions and Terraform, enabling zero-downtime infrastructure deployment with 100% IaC (Infrastructure as Code) compliance.

Scripts Adder Plugin - Wordpress

[Github](#)

- Developed a lightweight WordPress plugin using PHP to inject custom scripts into theme headers dynamically, enhancing site customization and flexibility across themes.
- Automated script integration through a user-friendly admin UI, improving efficiency for non-technical users and reducing manual code edits by 100%.

SKILLS

- Languages & Scripting:** Python, Java, JavaScript, Bash
- Web Development:** React.js, Next.js, Node.js, Express.js, Tailwind CSS, HTML, CSS
- Cloud & DevOps:** AWS (S3, Route53, CloudFront, ACM), Terraform, GitHub Actions, Vercel
- Databases & Storage:** MongoDB, SQL, Firebase, SQLite, REST API Integration
- AI & Tools:** OpenCV, face_recognition, Numpy, dlib, JWT, OAuth, Git, WordPress, CI/CD pipelines

CERTIFICATES

- Amazon:** Amazon ML Summer School 2024
- Microsoft:** Azure Fundamentals Cloud Skill Challenge
- AWS Academy:** Cloud Foundations, Architecting and Security
- Udemy:** LeetCode in Java: Algorithms Coding Interview Questions
- EY:** Cyber Security Boot Camp

EDUCATION

ITER, Siksha 'O' Anusandhan University

B.Tech, Computer Science and Engineering

November 2021 - August 2025

Bhubaneswar, Odisha