B Suraj Patra

🎓 B.Tech CSE Student | </> Software Engineering & Full-Stack Development | 💻 Open-Source Contributor

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Summary

An ambitious Computer Science engineering student skilled in Java, C, SQL, and full-stack development. Proficient in Data Structures, OOP, and building scalable applications, with a strong foundation in open-source collaboration. Quick learner driven by curiosity, innovation, and continuous learning, eager to master emerging technologies and deliver impactful, maintainable solutions.

Education

K L E F Deemed To Be University – B.Tech CSE (2023–2027) — GPA: 9.38/10 — Vijayawada, India
Sunabeda Public School – Class XII (ISC, 2021–2023) — GPA: 8.50/10 — Sunabeda, Odisha, India
Sunabeda Public School – Class X (ICSE, 2020–2021) — GPA: 9.35/10 — Sunabeda, Odisha, India

Projects

KL Eats – Campus food pre-ordering platform with mobile-first UI, real-time menus, and Cashfree payments, plus a team finance tracker for payments, profits, and payouts. Tech Stack: Next.js 15, React 18, TypeScript, Tailwind, shadcn/ui, Node.js, Express, MySQL, Redis

FaceAttend – Cross-platform face recognition attendance system built with a modular setup for mobile client, backend API, and a FaceNet-based Python service for embedding generation and verification. Tech Stack: React Native (Expo), TypeScript, Node.js, Express, MongoDB, Flask, facenet-pytorch, TensorFlow.js

SafeWebVerify – Full-stack web application for detecting phishing websites in real time using a trained ML model with 98% accuracy. Tech Stack: React, Node.js, Express, MongoDB, Flask, scikit-learn

Skills

Technical: C, Java, JavaScript, SQL; MERN (MongoDB, Express, React, Node.js), React Native; Git, Docker, CI/CD Foundations; Data Structures, Algorithms, OOP

Non-Technical: Problem Solving, Design Thinking, Agile/Scrum, Leadership, Collaboration, Critical Thinking, Time Management, Strategic Vision, Public Speaking

Certifications

- **MongoDB Associate Developer** – MongoDB
- **AWS Cloud Practitioner** – Amazon Web Services
- **GitHub Foundations** – GitHub
- Salesforce AI Associate – Salesforce

Patents & Publications

- **Biometric Voting System Patent (Published)** – Biometric-based Voting System with Multi-layer Authentication; Application No: IN202541073801, Published: Aug 2025 (Journal No. 34/2025). Invented a secure biometric-driven voting system integrating multi-layer authentication to prevent voter impersonation and enhance electoral transparency.

Achievements

- Contributed to open-source projects globally (9+ repositories on GitHub) and enhanced public datasets/localization via SwechaAP (OSM, Wikipedia, Weblate).
- Competitive programming: 2 ⭐ rating in CodeChef contests.