

# B Suraj Patra

B.Tech CSE Student | Software Engineering & Full-Stack Development | Open-Source Contributor

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## Summary

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An ambitious Computer Science student skilled in Java, C, SQL, and full-stack development. Proficient in Data Structures, OOP, and scalable web apps. Skilled in building RESTful APIs and using Git, with a foundation in CI/CD. Passionate about software engineering, open-source collaboration, and creating efficient, impactful solutions.

## Skills

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### Technical

- C, Java, JavaScript, SQL; Data Structures, Algorithms, Object-Oriented Programming (OOP)
- MERN Stack (MongoDB, Express, React, Node.js), RESTful APIs, React Native; Git, Version Control (GitHub), Docker, Kubernetes, CI/CD foundations (GitHub Actions basics, Jenkins exposure)

### Non-Technical

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

## Projects

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### KL Eats

- Campus food pre-ordering platform with mobile-first UI, real-time menus, secure Cashfree payments, and vendor admin portal. Now live on campus with 3 vendors, handling monthly order values around Rs. 60,000 after transitioning into a registered private limited company under Equitech Lab.
- Tech Stack: Next.js 15, React 18, TypeScript, Tailwind, shadcn/ui, Node.js, Express, MySQL, Redis

### FaceAttend

- Android-based face recognition attendance system with modular mobile client, backend API, and advanced FaceNet-powered Python service ensuring secure and fast recognition. Developed the project for CreovSys as part of a professional collaboration.
- Tech Stack: React Native (Expo), TypeScript, Node.js, Express, MongoDB, Flask, facenet-pytorch, TensorFlow.js

### SafeWebVerify

- Full-stack web app detecting phishing websites in real-time using a trained ML model (98% accuracy).
- Tech Stack: React, Node.js, Express, MongoDB, Flask, scikit-learn

## Education

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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

## Certifications

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MongoDB Associate Developer | AWS Cloud Practitioner | GitHub Foundations | Salesforce AI Associate

## Patents & Publications

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**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 improve electoral transparency.

## Achievements

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- Contributed to 9+ open-source repositories on GitHub through issue resolution and feature development.
- Improved localization and open data under SwechaAP (OSM, Wikipedia, Weblate).
- Semi-finalist, Code for Bharat Season 2 Hackathon (team Code4Cause); Top 15 at IIITM Gwalior's CodeRush Competitive Programming Challenge (team Code4Cause).
- Competitive programming: 2-star rating on CodeChef.