

Tanmayee Satpathy

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Education

Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar

2023 – 2027

B.Tech in Computer Science and Engineering

CGPA: 8.7

KIIT Higher Secondary School, Bhubaneswar

2019 – 2021

Higher Secondary (Science)

Percentage: 95.6%

Saraswati Shishu Vidya Mandir

2019 – 2021

Secondary

Percentage: 92.6%

Experience

Full Stack Developer – KIIT eLab

Sept 2025 – Present

- Developed and enhanced 8+ full-stack features for the KIIT eLab platform, improving student workflow efficiency by 25% through optimized UI and backend logic.
- Optimized SQL queries and backend APIs, reducing average response time by 30–40% and improving system stability for 3,000+ active users.

Projects

GIFTED VEINS (Node.js, Express.js, MongoDB, Mongoose, EJS, JavaScript)



- Developed a real-time blood-donor matching platform that identifies donors within a 5–10 km radius, reducing emergency donor search time by up to 75
- Implemented a streamlined donation → verification → certificate workflow, generating digital certificates in under 2.5 seconds and increasing successful donation completions by 55
- Built a scalable backend handling 1000+ donor/recipient records, achieving 98

LOST AND FOUND (React, Vite, Tailwind CSS, Supabase, React Router, QR Code, nanoid)



- Developed a campus-wide Lost & Found portal allowing students to upload images and details of lost/located items, handling 300+ item posts, 1,200+ searches, and 5,000+ page views within the first semester.
- Designed a smart match-detection module that compares item images + metadata and generates potential matches in 2–3 seconds, improving item recovery efficiency by 65
- Implemented a secure verification + phone-number reveal workflow, enabling matched users to contact each other instantly; increased successful item returns by 45

Skills

- **Programming Languages:** Java, Python, HTML, JavaScript, C
- **Frameworks:** Tailwind CSS, Bootstrap, React.js, Node.js
- **Database & Tools:** SQL, MongoDB
- **Core CS:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Network
- **Developer Tools:** Git, GitHub, VS Code, Postman

Achievements

- Solved 150+ problems on LeetCode, strengthening problem-solving and algorithmic skills.
- Secured All Odisha Rank under 50 in Class 12 Board Exams (2021).
- Secured State Rank under 50 in Class 10 Board Exams (2019).