GYANA RANJAN SAHOO

Full-Stack Developer · B.Tech Computer Engineering '27
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Professional Summary

Full-stack developer and final-year Computer Engineering student (graduating July 2027) who has built and deployed four live web and mobile applications using **TypeScript**, **React**, **React Native**, and **Node.js**. Experienced in **PostgreSQL** data modelling, REST APIs, real-time features, and multi-service deployments with **Docker**, **GitHub Actions**, and **AWS**. Contributes to open source.

Education

Siksha 'O' Anusandhan (ITER) — Bhubaneswar, India
Bachelor of Technology in Computer Engineering (CGPA: 7.81) — *Sept 2023 – Expected July 2027*

Prabhujee English Medium School — Bhubaneswar, India
Intermediate / 12th (Percentage: 62.08%) — *2021 – 2023*

Experience

Open-Source Contributor — yusufaf/quizaroni — Remote
Merged pull requests to a React + TypeScript flashcard web app — *Oct 2026*
- **Fixed a silent failure** (PR #112): added a translated **react-toastify** error toast when deleting categories fails.
- **Improved accessibility** (PR #92): added an **aria-label** to an icon-only MUI button for screen readers.

KFintech Internship Program (KFin Technologies Ltd.) — Bhubaneswar, India
Applied Fintech Engineering & Mutual Fund Technology — on-campus, with SOA University — *May 2026 – July 2026*
- Completed structured modules in **fintech engineering**, **data systems**, and **mutual fund technology**, covering data management, analytics, cloud & DevOps, transaction systems, and regulatory compliance.

Technical Skills

Frontend & Mobile: ReactJS, Next.js, React Native, TypeScript, JavaScript, Redux, Zustand, HTML5, CSS3, Tailwind CSS
Backend Engineering: Node.js, Express.js, REST APIs, WebSockets, JWT Authentication, Python (working knowledge)
Databases & ORM: PostgreSQL, MySQL, MongoDB, Relational Schema Design, SQL Query Optimization, Prisma, Drizzle
DevOps & Monitoring: Docker, Linux, AWS (EC2, S3, Auto Scaling), GitHub Actions, Sentry, Prometheus, Grafana
Core CS Foundations: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
Languages: C++, TypeScript, JavaScript, SQL, C, Java

Projects

App Forge — AI Mobile App Builder | *Next.js, React Native, TypeScript, Prisma, AWS, Docker* — GitHub | Live
- Built an AI app builder (Gemini) that turns prompts into **React Native** apps with a live **WebContainer** preview.
- Architected a **Bun + Turborepo** monorepo of four services, including an **AWS Auto Scaling** worker orchestrator.
- Containerized all services with **Docker**, automated image builds with **GitHub Actions**, and added an **Expo tunnel**.

Sonexa — Social Music Streaming Platform | *Next.js, TypeScript, Prisma, PostgreSQL, Docker* — GitHub | Live
- Built listening rooms with **synchronized playback**, presence tracking, **queue upvoting**, and a creator dashboard.
- Played tracks via the **YouTube IFrame API**, matching pasted Spotify links to YouTube via **oEmbed** metadata.
- Structured a **pnpm + Turborepo** monorepo with a shared **Prisma** package and **GitHub Actions** Docker CI.

CNVS — Collaborative Real-Time Whiteboard | *Next.js, TypeScript, WebSockets, Prisma, Docker* — GitHub | Live
- Built a touch-responsive **HTML5 Canvas** whiteboard (pencil, eraser, shapes, arrows, text) with live multi-user rooms.
- Built an Express **REST API** with **JWT** auth and a separate **WebSocket** server that saves shapes to **PostgreSQL**.

Freshly — Cross-Platform Grocery & Meal Planner | *React Native, Expo, TypeScript, PostgreSQL* — GitHub | Live
- Built an iOS/Android/Web app with **Expo Router** typed API routes, **Clerk** auth, and secure token storage.
- Designed a **PostgreSQL** schema (**Drizzle ORM**, Neon) with REST endpoints for item CRUD and an insights screen.
- Managed state with **Zustand**; set up **EAS** builds/OTA updates, lint/typecheck **CI**, and **Sentry** error tracking.

Certifications

Full Stack Web Development (100xDevs): Cohort by Harkirat Singh on scalable systems and backend design.
HackerRank: Problem Solving (Intermediate, Basic), Java (Basic), Python (Basic); 5-Star in C++ and Java.
Generative AI Systems: Certified by Microsoft via LinkedIn Learning.