

Jyoti Swarup Parhi

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PROFESSIONAL SUMMARY

Highly motivated and quick-learning Computer Science student seeking an entry-level role in the IT industry to leverage technical expertise, solve real-world problems, and contribute to the growth and success of the organization while continuously advancing my skills.

EDUCATION

GITA Autonomous College, Bhubaneswar

2023 – 2027

B. Tech in Computer Science and Engineering

Current CGPA 8.6

NRI International School, Bhadrak

2021 – 2023

Intermediate (12th)

69.9%

Royal Public School Bidya Bihar Balasore OD

2020 – 2021

Secondary (10th)

61.2%

SKILLS

Programming: Python, Java, C, JavaScript

Tools: Git, GitHub, N8N (Automation), Antigravity, Google Colab

Web Technologies: HTML, CSS, JavaScript, React, NextJs, Flask API

DevOps: Docker, Kubernetes, Git, GitHub, CI/CD (GitHub Actions), Linux (Shell Scripting)

AI / ML Tools: TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib

Databases: MySQL, MongoDB, Supabase, Firebase

Cloud Services (AWS): EC2, Lambda, S3, IAM, CloudWatch, API Gateway

Core Concepts: Data Structures, Algorithms (Foundational), Object-Oriented Programming

PROJECTS

RentHub - Comprehensive Vehicle Rental Platform

Full-Stack Developer | React, Node.js, Express, PostgreSQL, Supabase, Razorpay

- Architected and developed a multi-tenant vehicle rental platform supporting 3 distinct user roles: Admins, Vehicle Sponsors, and End-Users.

- Built a responsive and dynamic frontend using **React 19** and **Vite**, featuring real-time booking tracking, QR code scanning for vehicle handoffs, and an integrated AI Chatbot using **Google Generative AI**.
- Developed a robust REST API using **Node.js/Express** and **PostgreSQL (Supabase)**, implementing secure JWT-based authentication and role-based access control (RBAC).
- Integrated **Razorpay** for seamless payment processing and automated dynamic PDF invoice generation using **PDFKit**.
- Engineered advanced platform features including a custom Loyalty & Rewards system, SMS/Email notifications (Twilio, Resend), and an in-app emergency SOS activation system for rider safety.

Personal Vault – Secure Digital Asset Management Platform

Full-Stack Developer | React, Node.js, Express, PostgreSQL, Supabase

- Architected and developed a secure, full-stack personal data management platform enabling users to store and organize sensitive information including documents, payment cards, credentials, and family records.
- Built a responsive and modern frontend using React 18 and Vite with Tailwind CSS, delivering an intuitive dashboard, folder-based organization system, and seamless user experience across devices.
- Developed a scalable RESTful API using Node.js and Express integrated with PostgreSQL (Supabase), implementing secure JWT-based authentication, bcrypt password hashing, and strict user data isolation.
- Engineered advanced modules including secure document and image uploads (Multer), secrets/password vault, notes management system, and structured family data storage with associated documents.
- Implemented robust security mechanisms such as protected API routes, input validation, file upload sanitization, and CORS configuration to ensure data integrity and privacy.
- Designed a clean and visually engaging UI with glassmorphism, gradient themes, and responsive layouts, enhancing usability and accessibility across mobile and desktop platforms.

SmartAttend - Geo-Fenced Smart Attendance System

Full-Stack Developer | React, Node.js, Express, PostgreSQL, Supabase, Leaflet

- Architected and developed a location-based smart attendance platform supporting 2 distinct user roles: Teachers and Students, enabling section-based attendance tracking.
- Built a responsive and interactive frontend using React 19 and Vite, featuring real-time map integration with Leaflet for spatial verification and Recharts for visual attendance analytics.
- Developed a robust REST API using Node.js/Express and PostgreSQL (Supabase), implementing secure JWT-based authentication, password hashing, and role-based access control (RBAC).
- Engineered a highly secure attendance verification mechanism utilizing real-time GPS coordinates to calculate student-to-teacher proximity, combined with dynamic OTP generation to prevent proxy attendance.
- Implemented advanced security features including strict Device ID binding to block unauthorized login attempts, SMS/Email notifications (Twilio, Resend), and automated PDF attendance report generation using jsPDF.