



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2027	M.TECH Dual Degree 5Y	IIT Kharagpur	7.93 / 10
2021	Class XII (CBSE)	Jawahar Navodaya Vidyalaya Varanasi	89.6%
2019	Class X (CBSE)	Jawahar Navodaya Vidyalaya Balrampur	94%

INTERNSHIPS AND PROJECTS

Zenzephyr Dating Platform | Nigeria Based Dating Platform

- Led full-stack development and maintenance of a production dating platform across mobile, web, and admin.
- Built secure authentication, subscriptions, and access control, including OTP login, Google authentication and trials.
- Designed and optimized real-time chat, feed ranking, filters, and notifications to improve engagement.
- Migrated infrastructure from AWS to Render with MongoDB and Cloudinary, optimizing deployments and media storage to reduce cloud costs by ~50% while supporting ~40x user growth with improved production stability.

Swami Ji Astrology Platform | React-Native Expo

- Led end-to-end development of a dual-sided astrology platform, building React Native Expo user and astrologer apps for Kundli, horoscopes, matchmaking, and paid services, plus a React.js + Shadcn UI admin dashboard.
- Implemented session-based consultations, real-time availability, role-based access, secure wallet payments and a modular, scalable architecture with admin tools for content moderation, promotions, analytics, and configuration

GrowthPilot Marketing Automation SaaS | Shadcn UI | Next.js

- Built a modern, responsive frontend and admin interface for a marketing automation SaaS using Next.js and Shadcn UI, covering unified inbox, lead views, email templates, and frontend validation workflows and states.

Landing Pages and Websites | A4VIP Securities | VGE | Quatra Innovation | Dropdawg

- Built scalable, mobile responsive, production-ready modern websites using React, Next.js, Vite, and Tailwind CSS.
- Delivered end-to-end business web solutions for security services (A4VIP), IoT product showcase (Quatra), engineering firm presence (VGE), and a food delivery platform (DropDawg) focused on usability and conversion.

PROJECTS

BTP: AI PCB E-Waste Analyzer | React Native | YOLOv11 | Roboflow API | Prof. Chandra Sekhar Tiwary

- Developed AI-driven mobile system analyzing PCB e-waste images using YOLOv11 object detection model trained on 9,648 images across 27 component classes (68.5% mAP@50), automatically detecting components and estimating recoverable precious metal value based on detected component types for sustainable recycling decisions
- Trained YOLOv11 model on Roboflow platform with 9,648 annotated images and built React Native app integrating Roboflow API for real-time inference, component visualization, and automated valuation completing analysis in 8s

LinkedIn AI Copilot | Chrome Extension | Gemini API

Built LinkedIn AI Copilot Chrome extension with Gemini API integration for generating context-aware comment and message reply suggestions by analyzing post content and conversation threads, implementing content scripts for LinkedIn DOM manipulation, text interception, and popup UI with human approval workflow before posting

Lead Automation & Outreach System | n8n | React | Gemini API

Developed webhook-driven automation system using n8n workflow engine with custom React frontend for lead classification, AI-powered priority scoring via API calls, and automated email outreach with delivery tracking

ENTREPRENEURIAL EXPERIENCES

Self Project | HealthTech Platform | CareQ | CTO

Co-founded a HealthTech platform to reduce patient wait times via real-time queue and appointment management.

- Built a React Native mobile app with modern UI/UX, shimmer effects, and smooth navigation for patients.
- Developed a doctor-side web app with role-based access for managing walk-ins, appointments, and analytics.
- Enabled real-time sync across platforms using WebSockets for live queue updates and coordination.
- Contributed to full-stack development using NestJS and Shadcn UI, delivering a scalable, modular architecture.

SKILLS AND EXPERTISE

Languages: C | C++ | JavaScript | TypeScript | Python | Kotlin | MATLAB | HTML | CSS | Dart

Tools: YOLOv11 | Roboflow | Firebase | Git | Github | VS Code | Postman | n8n | Arduino IDE | Thunder Client

Frontend: React.js | Next.js | React Native | Tailwind CSS | Shadcn UI | Flutter | Vite.js

Backend and Databases: Node.js | NestJS | MongoDB | PSQL | Express.js | Render | Cloudinary

EXTRA CURRICULAR ACTIVITIES

- Selected among 20 students for Table Tennis training under the National Sports Organisation (NSO) program
- Supported General Championship Cricket team, building leadership, strategy, and teamwork under pressure
- Fostered team spirit and bonding during Illumination, strengthening coordination and collaboration skills