

# Satya Prakash Roul

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## Objective

Motivated and detail-oriented developer aiming to apply my problem-solving abilities and passion for scalable systems in a collaborative environment. Eager to contribute to real-world web applications while continuously improving my development practices. Committed to writing clean, maintainable code and growing as a full-stack developer.

## Technical Skills

**Programming Languages:** C, C++, Java, JavaScript

**Frontend Technologies:** HTML, CSS, Bootstrap, Tailwind CSS, React.js

**Backend Technologies:** Node.js, Express.js

**Databases:** MongoDB, SQL, PostgreSQL(via Neon)

**Core Concepts:** REST APIs, Data Structures and Algorithms ([LeetCode](#) 🔗, [GFG](#) 🔗)

**Tools and Platforms:** Git, GitHub, Postman, Thunder Client, Clerk (Auth), Vonage (Video API)

**Certifications:** Java with DSA and System Design (PW Skills), MERN Stack Development (Apna College)

## Experience

### Software Engineering Intern

June - July 2025

NTPC Talcher-Kaniha, Angul

- Completed a training program on enterprise software workflows, architecture, and deployment models.
- Attended sessions on relational databases, MongoDB, and RESTful API integration.
- Explored how digital systems support HR, payroll, and maintenance workflows in PSU settings.
- Built CRUD-based applications using the MERN stack to simulate enterprise-level use cases.

### Full-Stack Web Development Intern

Aug - Nov 2024

Web.Bocket Software Pvt. Ltd.

- Practiced full-stack development using HTML, CSS, React.js, Node.js, Express.js, and MongoDB.
- Built project modules integrating APIs and Git/GitHub workflows.

## Projects

### InstaClone 🔗

[Source Code](#) 🔗

- Built a full-stack Instagram-inspired web app with real-time messaging using MERN stack and Socket.IO.
- Developed key features: post creation, commenting, likes/dislikes, follow system, and user authentication.
- Designed a clean desktop-first UI using ShadCN components and Tailwind CSS.
- Implemented secure JWT authentication, route protection, and password encryption with Bcrypt.js.
- Integrated Cloudinary for media upload and deployed the application on Render.

### Medimeet 🔗

[Source Code](#) 🔗

- Built a full-stack doctor appointment app using React, Next.js 15, Tailwind CSS, and ShadCN UI.
- Integrated Clerk for user authentication and role-based access (Admin, Doctor, Patient).
- Managed database with NeonDB and Prisma ORM; added real-time video calls with Vonage API.
- Designed a clean, fully responsive UI with form validations, protected routes, and custom API interactions.

## Education

### Gandhi Engineering College, Bhubaneswar

Sept 2022 – May 2026

B.Tech in Computer Science

- CGPA: 8.4 / 10

### Renaissance Higher Secondary School, Jajpur

July 2020 – June 2022

Higher Secondary Education (+2), CHSE Odisha

- Percentage: 83.8%