

RAHUL RAJ

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SUMMARY

Computer Science and Data Analytics student at IIT Patna with experience building customer-facing applications, REST APIs, and data-driven systems using JavaScript, TypeScript, React, Node.js, Python, and PostgreSQL. Completed software engineering internships involving production applications, authentication systems, relational databases, and scalable workflows. Interested in building reliable AI-powered products in a highly iterative, fast-paced environment with a strong focus on user experience, speed and scale, and end-to-end ownership.

EDUCATION

Indian Institute of Technology (IIT), Patna

B.S. in Computer Science and Data Analytics

2023 – 2027

CGPA: 8.67/10

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C++

Frontend: React.js, HTML, CSS, Tailwind CSS, Responsive UI Development

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Databases: PostgreSQL, MySQL, MongoDB, Redis

AI & Data: Pandas, NumPy, Streamlit, AI API Integrations

Tools: Git, Docker, Linux, Postman, Swagger/OpenAPI

EXPERIENCE

National e-Governance Division (NeGD), MeitY

Software Engineering Intern

Feb 2026 – Jul 2026

New Delhi, India

- Developed and maintained 30+ REST APIs using Node.js, TypeScript, Express.js, PostgreSQL, and Redis for administrative, reporting, and authentication modules of national-scale government portals.
- Built and optimized complex PostgreSQL queries for speed and scale, powering dashboards, reports, exports, and multi-stage approval workflows used by district-, state-, and ministry-level officials.
- Diagnosed and resolved data integrity and schema issues during migration from PHP/MySQL systems to PostgreSQL, improving consistency across 140K+ records.
- Implemented role-based access control, JWT authentication, Redis session management, API documentation, and end-to-end testing before production release.

HCL GUVI

Full Stack Development Intern

Jul 2025 – Sep 2025

Remote

- Built and deployed 3 customer-facing full-stack applications using MongoDB, Express.js, React, and Node.js.
- Collaborated with a cross-functional team using Git workflows, code reviews, and agile methodologies in a highly iterative environment.

PROJECTS

Resume Roaster – AI-Powered Resume Analysis & Builder

React, TypeScript, Tailwind CSS, jsPDF, Supabase,

Gemini API

- Developed a dynamic, customer-facing resume builder with editable sections for education, projects, skills, and experience end-to-end.
- Implemented client-side PDF generation using jsPDF and built responsive user interfaces for an AI-powered resume platform.

Indian Stock Analysis Tool

Python, Pandas, NumPy, Streamlit, yfinance

- Built a real-time stock analysis platform optimizing data processing for speed and scale, featuring technical indicators and live market data.

Automated Invoice Generator

React, Node.js, Express.js, MySQL

- Developed a healthcare invoice management system with relational database design (MySQL) and secure backend workflows.

ACHIEVEMENTS

- Smart India Hackathon (SIH) Grand Finalist at IIT BHU.
- MERN Stack Development Certification – HCL GUVI.
- Introduction to Python – DataCamp.
- Active problem solver on LeetCode with focus on Data Structures and Algorithms.