

RANA PRATAP SINGH

Full Stack Web Developer | Software Engineering Student

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PROFESSIONAL SUMMARY

Detail-oriented **Full Stack Web Developer** and Computer Science undergraduate with hands-on experience in building responsive, scalable web applications using modern frontend and backend technologies. Strong foundation in JavaScript, React, REST APIs, authentication systems, and database integration. Experienced in integrating AI-powered features into web products. Actively seeking a **Full Stack Web Developer internship** to apply problem-solving skills and real-world development practices.

TECHNICAL SKILLS

Frontend

- HTML5, CSS3, JavaScript (ES6+)
- React.js, Vite, Tailwind CSS
- Responsive UI & Component-Based Design

Backend

- Node.js (Basics), RESTful APIs
- Python for backend logic & automation

Databases & Authentication

- Supabase (Authentication, Database Management)
- SQL fundamentals

Tools & Platforms

- Git, GitHub

- API Integration (REST, Third-party APIs)

Core CS Concepts

- Data Structures & Algorithms
- Object-Oriented Programming
- Software Engineering Fundamentals

Additional Exposure

- AI API Integration
 - Prompt Engineering
 - Basic Machine Learning & NLP Concepts
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PROJECTS

Echo Earth – Full Stack Environmental Intelligence Platform

- Developed a **full stack web application** that transforms real-time environmental data into user-friendly insights.
- Built a responsive frontend using **React, Vite, and Tailwind CSS**.
- Implemented secure **user authentication and data management using Supabase**.
- Integrated multiple third-party APIs for real-time data processing.
- Added AI-powered voice output using ElevenLabs API for enhanced user experience.

Career Pulse – Career Recommendation Web App

- Built a web-based platform providing **personalized career recommendations** based on user inputs.
- Focused on frontend logic, API handling, and structured data processing.
- Designed clean UI flows for better user engagement.

Ecosync Nexus – Energy Optimization Dashboard

- Designed a data-driven dashboard to visualize energy consumption trends.
- Implemented logic to suggest optimization strategies based on usage patterns.
- Emphasized scalability and modular architecture.

EXPERIENCE

Full Stack Developer (Project-Based) | 2024 – Present

- Designed and developed **full stack web applications** from scratch.
- Integrated frontend interfaces with backend logic and APIs.
- Implemented authentication, data storage, and secure user flows.
- Improved application performance and maintainability.

Freelance Frontend Developer | 2024

- Developed responsive UI dashboards for web-based applications.
- Collaborated with developers to implement clean and reusable UI components.
- Converted designs into functional, interactive web interfaces.

EDUCATION

Babu Banarasi Das University, Lucknow

Bachelor of Technology – Computer Science (Artificial Intelligence)

2024 – 2028 | GPA: 9.35 / 10

St. Anthony Public School (CBSE)

- Intermediate (PCM): 92.2%
- High School: 90.83%

LEADERSHIP & ACTIVITIES

National Service Scheme (NSS) – Management Volunteer | 2024 – Present

- Coordinated community initiatives and awareness programs.
- Developed leadership, teamwork, and organizational skills.

ACHIEVEMENTS & CERTIFICATIONS

- Top 30 Teams (All India) – Sustainovation Hackathon 2025

- Finalist – SmallestAI Hackathon (California)
- Finalist – Bolt Hackathon
- Top Learner – Google Cloud GenAI Academy
- Certified Frontend Developer
- Recognized NSS Volunteer for Leadership & Management