

Raj Singh

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LinkedIn

GitHub

LeetCode

Portfolio

PROFESSIONAL SUMMARY

Computer Science undergraduate with a strong foundation in algorithms, systems thinking, and software design principles. Seeking to contribute to high-impact engineering teams by building reliable, efficient, and scalable solutions to complex technical challenges in fast-paced, innovation-driven environments.

EXPERIENCE

Frontend Developer Intern

Dec 2025 – Present

WhatBytes

- Developed and maintained **scalable frontend applications** using **Next.js, React.js, and TypeScript**, ensuring **100% responsive UI** across devices and browsers.
- Implemented **server-side rendering (SSR)** and **optimized routing** in Next.js, reducing **initial page load time by 35%** and improving overall performance scores.
- Built **interactive and reusable UI components** using **React hooks and component-driven architecture**, increasing **user engagement by 40%**.
- Enhanced **SEO performance** through Next.js **SSR, metadata optimization, and clean URL structures**, resulting in a **60% increase in organic traffic**.

PROJECTS

HackForge: Competitive Coding Platform

(GitHub Link) Feb 2025 – Present

- Architected a **full-stack competitive coding platform** with a modular architecture and efficient routing, improving maintainability by **40%**.
- Integrated an **AI chatbot** to resolve **100+ user queries** with guided explanations and real-time support.
- Enabled users to create **custom problem lists** with filters and bookmarks, actively used by **200+ learners**.
- Implemented **secure authentication** and **global state management**, achieving **99% session uptime**.
- Designed a **responsive and interactive UI** with smooth transitions and live hints, reducing bounce rate by **30%**.
- Tech Stack:** React.js, Node.js, Express.js, MongoDB, Redux, JWT, OpenAI, Vite.

FinAura: Finance Management System

(GitHub Link) May 2024 – Dec 2024

- Built a **finance management dashboard** with real-time UI updates and a clean user experience, improving expense tracking efficiency by **45%**.
- Integrated an **AI-based OCR scanner** to parse bills and extract key data, reducing manual data entry by **85%**.
- Enabled **monthly financial summaries** and **real-time email alerts**, actively used by **5+ users** for budgeting.
- Delivered **secure, cross-device access** using protected APIs and a responsive layout, improving reliability by **30%**.
- Tech Stack:** React.js, Node.js, Supabase, Clerk, Shaden UI, Arcjet, OCR.

SKILLS

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

Frontend: HTML5, CSS3, React.js, Redux, Next.js

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

Databases: MongoDB, MySQL, PostgreSQL

Tools & Platforms: Git, GitHub, Postman, VS Code

Fundamentals: OOP, Operating Systems, Database Management System, System Design (HLD)

ACHIEVEMENTS

- Ranked **169th** on **GeeksforGeeks** with a **700+** coding score and solved over **400+** problems.
- Achieved **5-Star rating** in **C++ and Algorithmic Challenges** on **HackerRank** by solving **500+ coding problems**.
- Open Source Contributor (2025)** on **GitHub** — earned badges for successful **open-source pull requests**.
- Led a **5-member team** to build and deploy a **MERN stack** application with real-time features.

EDUCATION

Pranveer Singh Institute of Technology, Kanpur

Dec 2022 – Present

GPA: 8.41/10.0

B.Tech in Computer Science and Engineering

- Runner-up at a coding event during the tech fest, outperforming 50+ peers.

R.P.M Academy, Kauriram, Gorakhpur

Apr 2021 – Apr 2022

Percentage: 76.21%

Senior Secondary

Oxford Public School, Gorakhpur

Apr 2020 – Apr 2021

Secondary

Percentage: 81.12%

CERTIFICATIONS

- Data Structure** | CodeHelp | Completed in 2023
- Web Development** | Coder Army | Completed in 2024
- Java** | Udemy | Completed in 2025
- Generative AI & LLM Fundamentals** | Udemy | Completed in 2025

LEADERSHIP/EXTRACURRICULAR

- Technical Co-Head** | IGNITIA 2024: Annual Techno-Cultural Event

Collaborated with teams and seniors to plan and run technical events, managing setups and issues.