

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, Shadcn 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

B.Tech in Computer Science and Engineering

GPA: 8.41/10.0

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

R.P.M Academy, Kauriram, Gorakhpur

Apr 2021 – Apr 2022

Senior Secondary

Percentage: 76.21%

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.