

Pankaj Tyagi

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Summary

Full-Stack Web Developer with expertise in **React.js**, **Next.js** and modern front-end technologies. Experienced in building secure, scalable web platforms— ranging from a music-streaming website to **finance management** website and **AI chatbot integrations**. Proficient in authentication using **OAuth** and **Next-Auth** and responsive UI design using modern components libraries. Skilled in debugging and delivering real world projects with clean, maintainable code. Enthusiastic about turning client requirements into robust solutions that perform reliably in production.

EDUCATION

Doon Institute of Engineering & Technology | *Bachelor of Technology (Computer Science Eng.)*

Rishikesh, Uttarakhand | 2021 - 2025

Affiliated with Uttarakhand Technical University (UTU)

Maria School | *Intermediate*

Jaspur, Uttarakhand | 2020 – 2021

Affiliated with Council for the Indian School Certificate Examinations (CISCE)

SKILLS

Programming: Java, JavaScript, Python.

Web Technologies: React.js, Next.js, Express.js, Django, Tailwind CSS, GSAP.

Databases: PostgreSQL, MongoDB.

Tools: Git, GitHub, Prisma, Clerk, Postman.

Testing: Manual Testing, Functional Testing, API Testing (Postman), Debugging.

UI Libraries: ShadCN, Aceternity UI, ReactBits.

EXPERIENCE

Web Developer Intern

EY Technologies | 6 weeks

Feb 2024 – Apr 2024

- Developed features for a **Django-based** music streaming platform.
- Gained experience in **database management**, and authentication systems.
- Worked on feature implementation, bug fixing, and performance improvements on a real-world project.
- Boosted user engagement through performance using EJS and better UI by redesigning navigation.

AI/ML Backend Intern

EduNet Foundation | 4 weeks

Feb 2024 – Mar 2024

- Built and deployed an **AI chatbot using IBM Watson**, improving overall user interaction flow.
- Underwent training in chatbot development, **AI/ML fundamentals**, and deployment strategies.
- Gained first-hand experience in conversational AI, **NLP concepts** and **chatbot integration** for websites.
- Worked collaboratively on refining the chatbot's user interactions and functionality.

PROJECTS

Fin Morph AI — (Finance Management System) | Stack: Next.js, Clerk, PostgreSQL | [Live](#) | [Source Code](#)

- Built a Next.js-powered finance management platform enabling users to track and manage their finances with data-driven insights.
- Implemented **receipt OCR & automated parsing pipeline**, reducing manual input **50%**.
- Clerk-based** development environment **authentication** for secure and seamless user access.
- Added data-driven monthly budget report generation.

Brain Notes AI — (Notes Taking Web App) | Stack: Convex, Vercel AI SDK, Next.js, RAG | [Live](#) | [Source Code](#)

- Developed note-taking app with chatbot integration, using **RAG Retrieval Augmented Generation** for context-aware responses using user notes.
- Utilizes **OpenRouter API** for advanced language understanding, enabling quick and context-aware answers to help with study, research, or brainstorming.
- Backend powered by **Convex** for secure authentication and real-time responses.
- Vercel AI SDK v5** for seamless real-time tool-calling and reliable data retrieval.

Crypto Track Leads — (Real-Time Crypto Tracking Website) | Stack: React.js, Tailwind CSS, CoinGecko APIs | [Live](#) | [Source Code](#)

- Designed to deliver live price updates every 10 sec for 5,000+ coins with interactive sparkline charts.
- Enhanced user experience by implementing dynamic search filters and a modern UI with Tailwind CSS.
- Added portfolio tracking logic and responsive UI for better usability.

ACHIEVEMENTS & CONTRIBUTIONS

- Open-Source Contributions:** Contributed in the React and JavaScript ecosystems, implementing feature enhancements, bug fixes.
- DevRhyme Foundation (2024):** Certified in MERN Full-Stack Development after practical evaluation.
- Hackathons:** Designed innovative project in *Unstop Hackathon 2023* (team-based, competitive environment).