SIMRAN MATHPAL

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EDUCATION

Bachelor Of Engineering, Army Institute Of Technology, Pune — Expected 2026
Coursework: Information Technology
CGPA :9.4

SKILLS

Programming Language	C++ , Java , Python , Rust
Web Technologies	Express Js , Node Js , React Js , Next js , Javascript , Typescript ,Tailwind CSS
IT Constructs	DSA, Object Oriented Programming, DBMS etc
Database Management	MongoDB , PostgreSQL , MySQL,
Miscellaneous	Git , VS Code , Postman , Docker , GenAI

EXPERIENCE

Developer — May 2024 — July 2024
Projak Infotech (Live Link) — *Remote*

- Coordinated with designers and stakeholders to align the website's features with business goals, ensuring a cohesive and professional online presence.
- Spearheaded the full-stack development of Projak Infotech's website, utilizing cutting-edge technologies to deliver a highly functional and aesthetically pleasing user experience.

Development Lead (AIT College Website) — Jan 2024 - April 2024
Army Institute Of Technology, Pune (Live Link) — *Pune , Maharashtra*

- Transformed the college website with an emphasis on accessibility and SEO, resulting in a significant increase in organic traffic and online applications, along with enhanced mobile traffic and improved student engagement.
- Worked closely with faculty and administration to integrate academic resources and student services, ensuring a comprehensive and accessible online environment.

PROJECTS

Turkify [Next js, Node.js, Express ,Solana ,AWS] (Link)

- Developed a data labeling platform leveraging AWS S3 for secure file uploads and CloudFront for efficient distribution, integrating Solana for payment handling.
- Utilized pre-signed URLs for secure AWS S3 uploads, facilitating smooth transactions and payment verification through Solana.

CrackHunt [WebSockets, JavaScript, React.js, PostgreSql](Link)

- Built an interactive multi-level gaming platform (CrackHunt) for ISDF Club with 15 progressive challenges, real-time user tracking, and JWT-authenticated level progression using Node.js, PostgreSQL, and WebSockets.
- Engineered a live leaderboard system using WebSockets and PostgreSQL triggers, enabling dynamic, real-time score updates and user ranking across all levels.

Portfolio Simulator [Next js, Recharts , Tailwind CSS,] (Link)

- Built an interactive portfolio simulation tool using React, Next.js, and Recharts that models investment growth and visualizes return projections based on user-defined risk, return, and time horizon.

ACHIEVEMENTS

- Branch Topper – Ranked 1st in Information Technology Department
- Hackerrank Badge: earned golden badge in problem solving.
- Codeforces best rank: global rank 3499 in Codeforces Round 839 and maximum contest rating of 1185.
- Solved 350+ problems on different coding platforms like Codeforces, Hackerrank and Leetcode.