Prakash Singh Rawat

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EDUCATION

Netaji Subhash University of Technology   Delhi
Bachelor's Degree in Electronics and Communication Engineering (AI & ML) – (CGPA –8.8)   *Nov 2022 – Present*

Rajkiya Pratibha Vikas Vidyalaya, Surajmal Vihar   Delhi
Higher Secondary Education - (Class 12 - 94.6%)   *May 2020 – May 2021*

EXPERIENCE

Training and Placement Portal Coordinator   May 2024 – Present
Netaji Subhash University of Technology   *Delhi*
- Frontend design improvement on website using NextJs and tailwind CSS
- Optimized backend and APIs, reducing server costs and boosting website performance by 40% through code refactoring, improved caching, and streamlined database queries.
- Maintained and updated the T&P portal with 10s of new hiring companies data, enhancing student access to placement opportunities.

Full Stack MERN Developer   Sep 2023 – Dec 2023
carskarkhana   *Delhi*
- Developed a REST API using Express.Js, Node.Js, and Firebase, reducing server response time by 20% compared to a traditional approach.
- Architected 3 scalable backends and APIs, resulting in a 30% reduction in database storage costs.
- Planned and executed the authentication system with multiple layers of security
- Made clean and responsive user interfaces leading to a 40% increase in user engagement

Full Stack Web Developer   Oct 2022 – May 2023
Prayan Foundation – prayanfoundation.in   *Delhi*
- Led team in strategic planning and tech stack selection (Next.js, Express, Node.js, MongoDB), driving efficient development of web application to meet project objectives 1 week before deadline.
- Developed scalable Node.js/Express backend, boosting response times by 30% through optimized MongoDB queries and API design.
- Integrated Clerk.js authentication, boosting website security by 40% through improved access control.

PROJECTS

LeetStats | *React, NextJs, Firebase, Tailwind CSS, GraphQL, Chart Js*   Nov 2023 – Jan 2024
- Created Leetcode profile comparison website featuring 7+ parameters
- Implemented GraphQL for efficient data querying, reduced server load and low response time (under 200 ms
- Implemented interactive charts for enhanced user experience using Chart.Js increasing user's retention by 5+ seconds

ChitChat | *React, NextJs, Socket.io, WebRTC Firebase, Tailwind CSS*   Sep 2023 – Dec 2023
- Created web app for random voice and video chat between 2 person using Socket.io
- Integrated real-time text chat functionality with very low latency (under 100ms)
- added functionality of text chat rooms allowing 10 s of users to chat simultaneously
- Engineered user matching algorithm for spontaneous conversations

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: React, Next.js, Node.js, Express Js, WordPress, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, Jupyter Notebook, Google Colab
Libraries: pandas, NumPy, Matplotlib , Keras, Tensorflow, Sci-kit Learn