MANDEEP YADAV

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WORK HISTORY

Software Development Engineer, Creditas Solutions – Gurugram   June 2022 – May 2023

- Developed and implemented **15+ production-ready UI screens** for a banking site serving **1 Million users**, ensuring responsive design, seamless API integration, and smooth performance.
- Enhanced performance on data-heavy screens by applying Redux Toolkit caching, **cutting load times by 30 percent**.
- Built a high-performance site for user engagement with **debouncing** and client-side caching, **reducing API calls by 25 percent** and speeding up results.
- Optimized application performance, improved **Web Vitals by 25 percent** and reducing average load time.
- Implemented **multilingual functionality supporting 10+ languages** to enhance global accessibility and user experience.
- Boosted runtime efficiency with **React Hooks (useMemo, useCallback) and lazy loading**, reducing UI recom- putation and improving screen transitions by **35 percent**.
- **Integrated secure payment gateway(PayU)** on the frontend, enabling seamless online transactions while ensuring responsive, user-friendly checkout flows.
- Contributed to the **development of Credit, Debit modules**, handling end-to-end UI development, API integration, and performance optimization to ensure seamless user experience.
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EDUCATION

National Institute of Technology, Kurukshetra , Bachelor of Technology in Electronics and   July 2018 – June 2022
Communication Engineering

- GPA: 8.64/10.0

PROJECTS

Fitness Explorer | React, JavaScript, Tailwind CSS   Live

- Engineered a responsive fitness web app integrating **live exercise APIs** to enable **dynamic search and filtering** by target muscles and equipment.
- Implemented **Context API caching, reducing unnecessary API calls by 50 percent** and improving performance.
- Streamlined performance through modular architecture, reusable components, and efficient state management using Context API.

Weather Platform | JavaScript, HTML, CSS   Live

- Built a responsive weather app with **live API integration** to fetch real-time temperature, wind speed, and humidity by city.
- Designed an intuitive interface for fast and seamless user experience.

Water Monitoring System (IoT) | Arduino, Sensors

- Designed and executed an IoT-based water monitoring system using sensors and Arduino to collect real-time data on water levels and quality.
- Enabled remote observation and monitoring by transmitting sensor data to a connected web platform over a network.

SKILLS

Languages: C++, JavaScript(ES6+), HTML, Tailwind CSS.

Framework/Library: React, Next.js, Redux.

Tools: Git, VS Code, Chrome DevTools.

Core Concepts: Data Structures and Algorithm, Object-Oriented Programming(OOP).

LEADERSHIP/EXTRACURRICULAR

- Committee Head, Technical Fest(NIT kurukshetra, 2022)- Led a 6+ member team in organizing an intercollege techFest.
- Gold Medalist, Inter-NIT Kabaddi Tournament(NITK Surathkal,2020).
- Strong interpersonal skills: communication, logical thinking, adaptability, decision making, and pressure handling.