Aditya Pandey

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SUMMARY

Full-Stack Developer experienced in developing scalable web applications using the MERN stack in both fast-paced startup and MNC environments. Proven track record in handling large data volumes, optimizing system efficiency, and delivering high-performance solutions. Seeking a challenging role to develop cutting-edge web technologies.

TECHNICAL SKILLS

• React.js   • Next.js   • Node.js   • MongoDB   • Express.js   • Redux   • JavaScript (ES6+)   • TypeScript   • Git   • SQL
• Redis   • Postman   • Websockets   • RESTful APIs   • Tailwind CSS

EXPERIENCE

Senior Fullstack Developer
ThirdEye-AI

July 2022 – Present
Gurgaon

- • Crafted a web application to monitor real-time status and efficiency across 80+ machines.
- • Managed over a hundred thousand machine sensor data points daily, employing efficient data handling techniques.
- • Optimized codebase to improve performance, scalability, and maintainability.
- • Created end-to-end monitoring process and cut down paperwork by 90%.

Intern (Full-stack Development)
ThirdEye-AI

Jan 2021 – July 2022
Gurgaon

- • Attained a sound understanding of planning, writing clean code, code debugging, and bug fixing.
- • Engaged in daily scrum calls and collaborated with cross-functional teams.
- • Implemented projects in an agile methodology, ensuring efficient project delivery.

PROJECTS

Machine Monitoring System Industry 4.0 (MMS)
ThirdEye-AI

Dec 2023 – Present
TechStack: MERN

- • Collaborated with a team of 8 developers, taking responsibility for both backend and frontend development tasks.
- • Created a versatile system to accommodate various machine types, ensuring seamless integration.
- • Developed a production management system for **200+ machines**, enabling precise productivity monitoring.
- • Designed a downtime tracking system with analytics dashboards, improving machine productivity by empowering operators to tag and analyze downtime.

Process Traceability Management
ThirdEye-AI

Jan 2023 – Present
TechStack: MERN

- • Collaborated with a team of 6 developers and led the frontend development as the frontend lead.
- • Initiated the project for **23 stages of a single line** and scaled to encompass **4 production lines**.
- • Built a Next.js-based frontend with a generic component architecture, enabling seamless integration across all production stages.
- • Implemented real-time monitoring of production stages, including downtime tracking, which enhanced operational efficiency and reduced production delays.
- • Created analytics dashboards, traceability history, and detailed management reports, providing valuable insights for process optimization and decision-making.

CNC Monitoring Solution
ThirdEye-AI

Feb 2022 – Dec 2022
TechStack: MERN

- • CNC Monitoring solution currently **deployed across 17 plants, providing real-time data for over 80 machines**.
- • Operators tag downtime events, **leading to nearly 50% increased productivity**.
- • Developed and implemented a real-time CNC machine monitoring system, processing machine data via MQTT from hardware PLCs and storing it in a robust backend database.
- • Designed and maintained a dynamic frontend structure, allowing users to monitor machine production and process parameters efficiently.
- • Received the **Team of the Quarter** award for outstanding performance and significant contributions to project success.

EDUCATION

Master of Computer Applications   2020-2022
Kumaun University Nainital
Bachelor of Computer Applications   2017-2020
Kumaun University Nainital

CERTIFICATIONS

- Team Of The Quater Certificate

- Innovation in Science Pursuit for Inspired Research (INSPIRE) award for higher education

- Diploma in Computer Application (6 Months)