# Sanidhya Mishra

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LinkedIn GitHub

## Professional Summary

**Frontend and Backend Developer** with expertise in **React**, **TypeScript**, modern JavaScript frameworks, **Node.js**, **Express**, **MongoDB**, and **PostgreSQL**. Skilled in building responsive, high-performance web applications with a strong emphasis on user experience and scalability. Experienced in developing interactive data visualizations and delivering sustainable technology solutions. Demonstrated success in reducing development cycles and boosting user engagement through efficient, user-centric design and implementation.

## Skills

- Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3
- Testing & Performance: Jest, React Testing Library, Lighthouse, Web Vitals
- Tools: Git, GitHub, Jira, Postman, Firebase, Azure
- Data & Financial Applications: RESTful API integration, JSON/XML
- Methodologies: Agile, Scrum, Sprint Planning, Code Reviews
- State Management: Redux, Context API
- GraphQL, Apollo Client
- Performance Tuning
- Client-Facing Communication

- Frontend: React, Next.js, Tailwind CSS, Responsive Design
- Backend: Node.js, Express.js, MongoDB, PostgreSQL.
- Security & Compliance: JWT Authentication, OAuth 2.0
- Deployment & DevOps: CI/CD, Docker, Vercel, Netlify, Heroku, Railway
- Communication, Team Collaboration, Problem Solving, Attention to Detail
- Cloud Platforms: AWS
- System Design Principles
- Code Quality Assurance
- Cross-Functional Team Collaboration

## Professional Experience

**Full Stack React Developer**

KAIZEN IT Service, India                                        **January 2022 – December 2023**

- Developed and maintained responsive web applications using HTML, CSS, and JavaScript.
- Collaborated with UX/UI designers and backend developers to create seamless user experiences.
- Integrated RESTful APIs and third-party services to extend web application functionalities.
- Implemented **JWT-based authentication and role-based access control (RBAC)** to enhance application security.
- Built backend services with **Node.js and Express.js** and connected to MongoDB using Mongoose.
- Wrote reusable components and followed best practices for **component-based architecture.**
- Conducted **unit testing and integration testing** using Jest and React Testing Library.
- Used Git and GitHub for version control with feature branching and pull requests.
- Utilized **Redux** for state management in complex component hierarchies.
- **Achievements:** Successfully delivered multiple projects on time, improving user engagement by 20%.

**Front-End Developer**
Edu Tutor, Canada                                                    **February 2025 – March 2025**

- Designed and implemented a **responsive, user-friendly interface**, enhancing accessibility and engagement.
- Integrated **APIs to fetch and display quizzes dynamically**, ensuring seamless data retrieval and user interaction.
- Built a **customizable Navbar with dark/light mode** to improve usability and enhance the overall user experience.
- Optimized **state management** and improved **performance** for smooth and efficient component rendering.
- Used **React Hooks** (useState, useEffect, useContext) for efficient data flow and functional state handling.

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# Projects

AI Tutor Riipen Project – EduTutor
- Developed front-end components using React, including a Documents section, Quizzes feature, and Chat Box.
- Integrated APIs for fetching and displaying quizzes dynamically.
- Conducted usability tests, debugged code, and optimized applications for performance and accessibility.

Student Course Registration System | MERN Stack
- Created a responsive React.js frontend with Bootstrap & Axios
- Implemented JWT authentication, bcrypt encryption, and secure API routes
- Managed student/course data with Mongoose & MongoDB
- Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js), JWT, Git

Portfolio | React.js
- Designed and developed a responsive personal portfolio using React.js, featuring sections for projects, skills, and contact, with modular components and seamless navigation via React Router.
- Styled the website using Tailwind CSS with dark/light mode support, and integrated GitHub, LinkedIn, and external project links to showcase technical capabilities.
- Deployed the site on **Vercel** for fast performance and accessibility, ensuring mobile responsiveness and cross-browser compatibility.

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# Education

- **Software Engineering Technology (Advanced Diploma)**
  Centennial College, Toronto, Ontario, Canada                **January 2024 - April 2025**

- **Bachelor's in computer applications**
  SS Jain Subodh College, Rajasthan, India                **June 2020 – June 2023**
  Key Achievements: Led a capstone project on web application development, achieving a top grade.

# Certificates
- Full stack Developer | Udemy
- Front-end Developer | Udemy
- WHMIS