



Abinash Mohapatra

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Education

Kalinga Institute of Industrial Technology

Bhubaneswar, Odisha

Bachelor in Computer Science, BSc.CS

2020–2023

Coursework: Programming in Java, Python · Data Structures and Algorithms · Database Management Systems · Web Development (HTML, CSS, JavaScript) · Software Engineering · Operating Systems · Computer Networks

Experience

SOUL LIMITED

Bhubaneswar, Odisha

Software Engineer

Jan 2024– Currently

Health Information Management System

- Developed an EMR dashboard using HTML, CSS, Tailwind CSS, and **React.js**.
- Improved patient management workflows, boosting efficiency by **20%**.
- Optimized billing systems, reducing errors by **15%**.
- Integrated appointment scheduling functionality, enhancing user experience by **10%**.

Campus Management System

- Developed key modules using **ERPNext**, **React.js**, **SQL**, **Python**, and **REST API**, improving system functionality by **30%**.
- Enhanced backend performance, reducing data retrieval times by **15%** and improving overall user experience.

Projects

Video Sharing Platform

- Developed a video-sharing platform with **secure user authentication** and optimized backend, achieving a **95% seamless user experience**.
- Utilized **Node.js** and **Express** for the backend, improving secure user authentication by **25%** and enhancing backend scalability.
- Improved **database performance by 25%** using **MongoDB aggregation pipelines** to handle complex queries and **enhanced API efficiency by 20%** through **RESTful API** design and testing with **Postman**.
- Integrated **Cloudinary** for cloud storage of user avatars and cover images, optimizing storage performance by **15%**, and implemented **JWT** for session management, improving session security by **15%**.

Consulting Company Website

- Developed a professional consulting website for a client, **achieving a satisfaction rate of 73%**.
- Utilized **React** for the front-end and **Node.js** for the backend, resulting in a **successful integration rate of 66%**.
- Integrated **Web3 forms** for secure and decentralized form submissions, **increasing user security by 35%**.
- Managed version control using **Git**, improving collaboration efficiency by **45%**.
- Deployed the website using **Hostinger**, ensuring optimal performance, scalability, and accessibility, **boosting speed by 30%**.

Blog Platform

- Built a blog platform with **React.js** for creating, editing, and managing posts, achieving a **90% increase in user engagement**.
- Used **Node.js** with **Express** and **MongoDB** for the backend, resulting in a **95% API uptime**.
- Implemented a commenting system and user authentication with **JWT**, improving user interaction and **security by 20%**.

Skills

Languages:

React.js, Node.js, JavaScript, Python, HTML, CSS

Frameworks & Libraries:

Express.js, Redux, Tailwind CSS, Bootstrap

Tools:

GitHub, VSCode, Postman

Databases:

MongoDB, SQL