

Ankit Kumar

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Skills

Designing Software

SolidWorks and AutoCAD

Data Structure and Algorithm

Proficient in Python

Version Control

- Git, GitHub

Programming language

- C, JavaScript, Python

Content Writing

Full Stack -Web Development

- Node.js, Express.js, React.js, MongoDB
- JavaScript, PHP, HTML, CSS, Tailwind CSS, Bootstrap

Database

MongoDB, MySQL

Education

Bachelor of Technology in Mechanical Engineering,

National Institute of Technology, Sikkim ✍

CGPA: 7.4

Sikkim, India

Projects

NIT Sikkim Website ✍

2023 – 2024

- Engineered a dynamic website featuring intuitive navigation and interactive elements that enhanced user engagement, resulting in a 50% increase in average session duration and a 30% boost in conversion rates within three months.

Dharaksha DBMS ✍

2024

Architected and deployed an advanced database management system for Dharaksha Company using a tech stack including React.js, Tailwind CSS, Node.js, Express.js, and MongoDB. with data retrieval efficiency by more than 90%, enhancing overall production process. Managed a process re-engineering project to improve and consolidate end-to-end service processes; restructured communication flow among 16 departments and cut down paperwork by 100%.

School Project Website, Blue Bird Residential School ✍

- Designed and launched a user-centric website that achieved a 40% increase in user engagement by implementing interactive features and streamlined navigation, enhancing overall visitor satisfaction and retention rates significantly.
- Technologies: PHP, Tailwind CSS, HTML, CSS, JavaScript

Course Selling Platform with Admin Panel ✍

- Developed a service-oriented platform with an intuitive admin panel for course and user management.
- Led a cross-functional team to ensure effective coordination.
- Technologies: React, Node.js, MongoDB, Express.js.

E-commerce Website ✍

- Built a comprehensive e-commerce website allowing users to browse products, add to cart, and complete purchases seamlessly.
- Technologies: React, Redux, Node.js, MongoDB, Express.js.

Work Experience

Project Intern at Dharaksha Ecosolution, Database Management System for QR Code Scanning and Data Analysis ✍

- Architected a scalable database management solution that streamlined data entry processes, reducing average data loading time by 40% and increasing data accuracy, which is now utilized by over 15 team members.
- Enabled users to scan QR codes using their phone cameras
- Stored and analyzed data to streamline the production process
- Technologies Used: React, Redux, Node.js, MongoDB, Express.js, html5-qrcode
- Improved data accuracy by +95% and reduced manual entry errors

PROJECT INTERN AT TATA MOTORS

- Created detailed Work Instruction Sheets (WIS) and Standard Operating Procedures (SOP) for manufacturing machines.
- Increased operational efficiency by 20%.

Organizations

Web Development Cell, Member ✍

Maintaining websites using HTML, CSS, Tailwind CSS, Bootstrap, PHP, and JavaScript. Enhancing user experience with user-friendly interfaces and ensuring website functionality across multiple browsers. Organizing and leading coding workshops to elevate team coding standards. Currently leading a group of 10 junior students, teaching them web development, and fostering their skills in modern web technologies.

Yantrika, Departmental Club of Mechanical Engineering, NIT Sikkim, Member ✍

Yantrika is the departmental club of Mechanical Engineering at NIT Sikkim. Organized events and talk sessions.