

NIKHIL KUMAR

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Education

Bangalore Institute of Technology, Bangalore <i>B.Tech in Computer Science & Engineering</i>	2021 – 2025
Holy Mission Sr. Sec. School, Bihar <i>CBSE (Class 12th)</i>	2020
Dr. Dram DAV Public School, Bihar <i>CBSE (Class 10th)</i>	2018
	8.36/10 CGPA
	87%
	85%

Technical Skills

- Languages:** C++, JavaScript
- CS Fundamentals:** DBMS, OOPS, Operating System, Computer Networks
- Backend:** Node.js, Express.js
- Frontend:** React, HTML, CSS, Javascript
- Clouds & Databases:** AWS EC2, MongoDB, SQL
- Version control:** Git, Github
- Web Technologies:** Docker, Kubernetes, Jenkins, Ansible, Terraform
- Developer Tools:** Postman, VS Code
- Operating system:** Linux, windows

Projects

Enterprise Level Task Manager Application

- Developed a full-stack **Task Manager application** using MongoDB, Express, React, and Node.js (MERN stack) with secure **admin authentication** and **role-based access**.
- Implemented features like **task approval/rejection**, user management, and real-time task updates.
- Enhanced the **admin dashboard** with dynamic data handling, forgot password functionality, and other features to ensure efficient CRUD operations and a user-friendly interface.
- Implemented **video call** functionality using **jitsi** to provide a video calling features for the team and other members.
- Automated deployment using **Docker** and a **CI/CD pipeline** with Jenkins.
- Hosted on **AWS EC2**, provisioned using **Terraform** for infrastructure as code (IaC).

AI-Powered Assets Trend Predictor Dashboard

- Built a **full-stack asset management dashboard** using **React, Node.js, Express, and MongoDB** to help users track and manage their financial tokens.
- Integrated **OpenRouter API with Meta Llama 3.3 8B Instruct (free model)** for real-time asset trend analysis using **LLM-based predictions**.
- Implemented secure **user authentication**, dynamic asset CRUD operations, and total portfolio value calculations.
- Developed an AI-based feature to predict past market behavior (stock, housing, commodity trends) based on asset properties like **type, risk, and value**.
- Handled prompt engineering and multi-asset prediction states using React state management and error handling.
- Deployed backend server locally and designed the frontend with a user-friendly interface and responsive dashboard UI.

Work Experience

Zidio development

Web Developer Intern

feb 2025 - july 2025

Remote

- Developing a **Task Manager application** using the **MERN stack** for Zidio employees.
- Implementing key features like **admin authentication, task approval/rejection, and user management**.
- Ensuring **secure CRUD operations** and a **responsive admin dashboard** for efficient task tracking.

Algorithmic Competitions/Achievements

- Achieved the **highest performance score** during internship at **Zidio Development**.
- Won a **coding contest** organized by Sri Krishna Institute of Technology.
- Solved over **600+ questions** on multiple platforms like **GeeksforGeeks, LeetCode, and CodingNinjas**.