

# NIKHIL KUMAR

+91 8210594785 ✉ nk9557907@gmail.com  <https://www.linkedin.com/in/nikhil023/>  <https://github.com/nikhil09871/>  <https://www.geeksforgeeks.org/user/nikhilraj8u3/>

## Education

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

<b>Zidio development</b> <i>Web Developer Intern</i>	<b>feb 2025 - july 2025</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Developing a <b>Task Manager application</b> using the <b>MERN stack</b> for Zidio employees.</li><li>Implementing key features like <b>admin authentication, task approval/rejection, and user management</b>.</li><li>Ensuring <b>secure CRUD operations</b> and a <b>responsive admin dashboard</b> for efficient task tracking.</li></ul>	

## 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**.