

SUDHANSHU KUMAR CHAUBEY

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EDUCATION

Bachelor of Technology, Kamla Nehru Institute of Technology, Sultanpur 2020 - 2024
Course: Computer Science And Engineering. (8.73 CGPA)

Class - XII, Divine Public School, Gorakhpur 2018 - 2019
Percentage : **94.6**

EXPERIENCE

Beanbyte Softwares September 2023 - November 2023

Backend Intern (NestJs, TypeScript, MySQL, PostgreSQL and Open API Specifications) *Remote*

- Engineered and documented the backend APIs for Part 1 of 4 in the "Milkbyte" project using NestJS and TypeScript.
- Implemented robust authentication mechanisms, safeguarding user interactions; leveraged nestjs-validation to fortify data validation, resulting in a 70% reduction in security vulnerabilities and ensuring secure user experiences.
- Optimized PostgreSQL database operations by transforming raw SQL queries to **Sequelize ORM**, resulting in a 40% reduction in query execution time and enabling more secure data management.
- Enhanced system functionality for milk supply chain, customer interactions, and vendor transactions; integrated automated tracking systems, reducing supply chain inefficiencies by 25% and increasing vendor satisfaction scores by 15%
- Acquired extensive software development and database management expertise in a collaborative team setting.

PROJECTS

(Sociopedia: A Social Media for Intellectuals)——(GitHub)

NestJS, Nextjs, MySQL, ShadCN, MaterialUI

- Designed a comprehensive social media app using the NestJs stack combined with Next, offering a seamless user experience.
- Used JWT authentication mechanism to for security, with access token in both cookies response and authorization headers.
- Key functionalities such as post upload,likes, comments, image upload, follow/unfollow features and chat with other users.
- Enhanced the platform's visual appeal and user interaction by leveraging Material UI and ShadCN, integrating modern design principles to optimize aesthetics and intuitive navigation using latest app router.

(CodeCollab: Real-time Collaborative Coding)——(GitHub)

React, NodeJS, Socketio, ZegoCloud, MongoDB, Google Firebase

- Developed a web application facilitating real-time collaborative coding, monitoring coding contests, and integrated multiple web web services to enhance user retention by 20%.
- Integrated AI suggestions using Google's Latest Pro Vision API to provide real-time assistance for code-related queries.
- Added Zego Cloud Service to create a seamless text/audio/video communication channel for concurrent users.
- Incorporated Google Firebase for google login based authentication and user verification by OTPs using nodemailer.
- Documented the backend APIs using OpenAPI to enhance collaboration between frontend and backend.

SKILLS

- Technical** : C, C++, JavaScript, MySQL
- Frameworks & Tools** : React, NextJS, Express, NestJS, Git, Github, VScode, HTML, CSS
- Others**: Data Structures and Algorithms, Database Management Systems, Object Oriented Programming

ACHIEVEMENTS

- Qualified for ACM-ICPC Amritapuri 2022 Regionals securing Rank 1 from college.
- Secured a global rank of **1167** in Codeforces Round 851 (Div. 2)
- Codechef**: Max Rating 1630(3 star) - Top 8%, 200k+ participants.
- Leetcode**: Max Rating 1789 - Top 9.01%, 100k+ participants.
- Codeforces**: Max Rating 1387(Pupil) - Top 20%, 100k+ participants.
- Google KickStart** Round H: Top 10% - Rank **1880** out of **18k+** participants.