

NIKHIL SAXENA

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EDUCATION

Master of Computer Application

National Institute of Technology Warangal

October 2021 - August 2024

CGPA : 7.17

Bachelor of Science Mathematics

MJP Rohilkhand University

August 2017 - September 2020

CGPA : 6.81

PROJECTS

Complaint-Box

[GitHub Repo](#)

Used Technologies: Reactjs, Nodejs, Expressjs, MongoDB, Bootstrap, JWT

- **User Interface Design:** Design a user-friendly interface specifically tailored for submitting complaints.
- **Authorization Implementation:** Implement authorization mechanisms for both users and administrators using JWT tokens.
- **Form Handling with React:** Utilize React to manage form submission events seamlessly.
Enable the front-end to communicate with the back-end by sending requests via an Express server.
- **Complaint Handling Logic:** Develop comprehensive logic to manage incoming complaints, ensuring data validation is performed accurately.
Store complaint information efficiently within a MongoDB database.
- **HTTP Requests Management:** Incorporate a library such as Axios or utilize the built-in Fetch API to facilitate smooth communication between the React front-end and Express back-end.
- **Application Status Checking:** Enable users to conveniently check the status of their complaint applications.
- **Complaint Resolution Marking:** Implement functionality to allow administrators to mark complaints as solved once they're resolved.

Blog Application

[GitHub Repo](#)

- **Frontend Technologies:** Utilized React, MUI (Material-UI), and Bootstrap for enhanced visual aesthetics and improved user experience.
- **Backend Technologies:** Leveraged Node.js, Express, and MongoDB to handle backend operations, including storing user details for validation, post details, and comment details.
- **Image Storage Management:** Implemented grid-fs-stream and multer middleware to facilitate the storage of images within MongoDB.
- **User Authentication:** Enabled user signup and login functionalities using username and password credentials.
- **Blog Management:** Provided users with the capability to create, customize, update, and delete their own blogs.
- **Commenting System:** Implemented a commenting feature allowing users to comment on posts, displaying their username, along with the date and time of the comment.
Restricted editing or deleting rights on other users' posts to maintain data integrity.
- **User-Specific Filtering:** Implemented a filtering mechanism based on the username, allowing users to view and customize their own blogs exclusively.

SKILLS

Programming Languages

• C++ • Python • Java

Databases

• SQL • MongoDB • NoSQL
• Oracle SQL

Frameworks

• React • Express

Other

• HTML • CSS • JavaScript • JSON
• ReactJS • NodeJS • Rest API • GitHub


Core concepts


• Object Oriented Programming
• Database Management principles
• Operating System concepts
• Computer networking


Coursework


• Problem Solving and Programming
• Data Structures & Algorithm
• Software Engineering Principles
• Algorithm Analysis and Design
• Machine Learning
• Data warehousing
• Deep neural network

LINKS


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ACHIVEMENT AND RESPONSIBILITIES

- Member of Sports club at NIT Warangal.
- Hackathon winner Organized at NIT Warangal. 
- PG council member at NIT Warangal.
- Class Representative at NIT Warangal.
- Achieved AIR 404: NIMCET entrance exam 2021.

Present

April 2022

July 2022 - April 2023

August 2022 - June 2023

July 2021