KRISHCHAL REGMI

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 @Krishchal   KrishchalRegmi

Aspiring software developer with expertise in full-stack development (MERN) and hands-on experience building scalable applications and RESTful APIs. Dedicated to problem-solving, team collaboration, and continuous learning. Passionate about exploring emerging technologies to deliver innovative solutions.

EXPERIENCE

Backend Developer (*Internship*)
Pixpoint Solution Pvt. Ltd.
2024 – Present
- Developed web applications with MERN stack
- Developed scalable backend system with Node.js, Express.js, REST API
- Designed database with MongoDB and Postgress
- Implemented OAuth, Redis following industry standard practices

SKILLS

- ❖ **Programming Languages :** Javascript(ES6+), Typescript, Python, SQL, C++
- ❖ **Backend Technologies :** Node, Express, Nest, REST APIs, OAuth, WebSockets
- ❖ **Frontend Technologies :** React.js
- ❖ **Database:** MongoDB, PostgreSQL, Redis
- ❖ **Tools & Platforms :** Github Actions, Docker
- ❖ **Other Skills :** Team collaboration, Problem Solving/Debugging , Competetive
- ❖ **Research Intrests :** Data Science, Machine Learning, GenerativeAI

EDUCATION

- ❖ BSC.CSIT | Ambition College
- ❖ +2 Science (National Institute of Science & Technology- NIST)

PROJECTS

- ❖ **Automated Interview System (*Major Project*)**
  Developed a web application to automate the interview process with the following

Key Features

- Authentication with JWT with handling cookies
- Recommend questions tailored to expertise using content-based filtering.
- Transcribed audio responses with high accuracy using Whisper AI.
- Compared transcriptions with predefined answers via cosine similarity.
- Generated detailed reports for candidate dashboard assessments.

Technologies Used : React.js, Node.js, RabbitMQ, Python (Flask), MongoDB, NumPy, NLTK & Whisper AI Model.

 GitHub: [InterviewProAI](#)

❖ **MERN Stack Blog Application (*Major Project*)**
Developed a full-stack blog publishing platform with robust features and role-based access control using the MERN stack.

Key Features

- **Authentication:** User login/signup, Google OAuth integration, and forgot password functionality.
- **Blog Management:** Users can create, edit, and delete blogs with a rich text editor, categorize blogs, and upload images.
- **User Interactions:** Search blogs by title, author, or category; follow/unfollow users; view followers/following.
- **Profile Management:** View/edit profiles, track followers/following, and change passwords.
- **Admin Controls:** Manage categories, block/unblock users, assign roles, and moderate blogs with notifications.

Technologies Used: MongoDB, Express.js, React.js, Node.js.

 GitHub : [uBlogIt](#)

Other Projects:

❖ **Ecommerce Backend API**

A backend project for an e-commerce platform, ensuring secure and efficient API services to handle core functionalities with admin access .

Key Features

- Authentication with JWT
- **Product Management :** Filtering product, Adding Product, Updating Product, Deleting Product with admin role
- **User Management :** Admin access with User functionalities.

GitHub : **Ecom_Backend**

❖ **Real Time Chat App**

Learned to developed a real-time event driven chat application leveraging WebSocket technology, providing full duplex communication between users. The application offers to chat with multiple users within a network with real time synchronization.

- **Backend:** Node.js with Express.js for server-side logic.
- **WebSockets:** Socket.IO for real-time, event-driven communication.
- **Frontend:** React for building an simple interactive interface for chat.
- **State Management:** Context API for efficient client-side state handling.

GitHub : Real_Time_chat