RONIT RANJAN TRIPATHY

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CAREER OBJECTIVE

My career objective is to utilize my skills in AI/ML and software development to develop innovative, real-world solutions. I aim to contribute to cutting-edge projects that drive positive change. Continuous learning and professional growth are key motivators. I seek a dynamic environment that fosters creativity and collaboration.

EDUCATION

Bachelor's of technology
Noida Institute of Engineering and Technology (NIET, Greater noida)   **2021 - Prersuing**

Higher secondary
Ch. Chabbil Das Public School (Ghaziabad)   **2020 - 2021**

Secondary
JKG School (Ghaziabad)   **2018 - 2019**

PROJECTS

Real Time Task Managment System(https://github.com/RONITrrt/real-time-task-managment)
- Implemented real-time task synchronization using Firebase.
- Developed a responsive and user-friendly interface with ReactJS.
- Integrated full-stack workflows for seamless data management.

Generative AI PDF Summarizer with RAG Model (https://github.com/RONITrrt/Generative-AI-PDF-Summarizer-with-RAG-Model)
- RAG retrieves relevant PDF sections and generates summaries.
- It ensures contextual accuracy in the summaries.
- Supports multiple languages and customizable summary options.

School Management System API(https://github.com/RONITrrt/Backend-Developer-Technical-Challenge)
- Built a RESTful API for managing schools, classrooms, and students using Node.js and MongoDB.
- Implemented secure JWT authentication for protected endpoints.
- Ensured scalable data handling with MongoDB Atlas integration.

Drowsiness Detection and Alarming System (https://github.com/RONITrrt/Drowsiness)
- Utilized Convolutional Neural Networks (CNN) with TensorFlow for drowsiness detection.
- Integrated OpenCV for real-time video analysis of driver alertness.
- System triggers a loud alarm when drowsiness is detected, with 98% model accuracy.

SKILLS

- Machine Learning
- Python
- Data structure & Algo
- SQL
- Java Script
- NodeJs
- ReactJs
- GenAI
- ExpressJs

ACCOMPLISHMENTS

- Secured first position in HACKX 2023.
- Finished 4th in Intelx Awiros Appathon2.0
- Top 8 in NASA Space App Challenge 2023 (District level).
- Published research paper as an author: "Enhancing Waste Management Through Object Detection and Recyclable MaterialClassification," EAI SUS-DEV2023.

CERTIFICATION

- Python for Data Science, AI & Development
- Introduction to Machine Learning
- Machine Learning with Python
- Introduction to NoSQL Databases

INTERNSHIPS

- **Ybi Foundation ML** (Sep 2024-Oct 2024)
- **AICTE AI/ML Internship** (Dec 2024- Jan 2025)