Jitanshu Raut

github.com/jitanshuraut jitanshuraut.live linkedin.com/in/jitanshu-raut

Education

Indian Institute of Information Technology, Surat 2021-2025
B.Tech-Computer Science & Engineering *Current CPA: 8.54/10*

Skills

Programming Languages: C/C++, Python, JavaScript, TypeScript, SQL
Frontend Web Development: React ,Redux ,React Query ,Next js ,Tailwind css
Backend Web Development: Node js, Flask, Express, JWT, GraphQL, Socket.io
Database: MongoDb ,SQL ,Firebaase
AI & ML: Pandas, Numpy, Scikit-Learn, Pytorch

Projects

RecruiteEz | ***Github***

- Led the development of RecruitEZ, crafting a comprehensive platform utilizing frontend technologies such as ReactJS, HTML, and Tailwind CSS, alongside backend technologies including Node.js, Express.js, MongoDB, and Nodemailer
- Designed intuitive dashboards for recruiters and candidates, facilitating seamless candidate management and communication.The Gemini AI API is utilized to parse and score candidate resumes based on the job description, ensuring efficient candidate matching with an accuracy rate of over 90%
- Automated candidate selection process with Nodemailer, enhancing recruitment workflow efficiency.
- Integrated React Query for optimized data fetching and caching.
- Features:Personalized dashboard for Recruiter and Candidate, Private Routes, Authentication, Personalized Profile, Real-time database,High performance, Responsive UI,Nodemailer, Gemini AI etc

Google Docs | ***Github***

- Implemented real-time collaborative document editing using Sockets
- Utilized Redis to cache data, enhancing application speed and responsiveness.
- secure document sharing feature with customizable permissions.
- Integrated an automated email notification system for document sharing.
- Created detailed templates with industry-specific guidelines and formatting tools.

SQL Injection Detection Using Transformer Model BERT | ***Github***

- Designed and implemented an SQL injection detection system using the BERT transformer model.
- Achieved an F1 score of 98%, demonstrating high accuracy in detecting SQL injection attacks.
- Trained the model on a dataset of 1 million queries, ensuring robust performance.
- Conducted thorough evaluation and testing to validate model effectiveness and reliability

Achivement

- Ranked 300th of 975 in Kaggle BirdClef 2024, with a 62.62% ROC value.
- Solved more than 1000 DSA problems across various online programming platform

Relevant courses

- **Computer Science**: Data Structures & Algorithms, Operating Systems, Computer Networks, Object-Oriented Programming, Database Management Systems, Design & Analysis of Algorithms.
- **Machine Learning (Datacamp)** : Machine Learning, Neural Networks, Natural Language Processing
- **Other** : Digital Signal Processing, Economics Buisness Management