Nirakar Jena

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Overview

Software developer with expertise in **Python, Java, web development, and cloud technologies**. Adept at building **scalable web applications, APIs, and implementing machine learning models**. Experienced in working with a variety of frameworks and tools like **Django, React, and AWS**.

Work Experience

Freelance Web Developer

(2023 - 2024)

- Developed websites for various businesses, ensuring functionality, usability, and responsiveness.
- Collaborated with clients to understand their business requirements and delivered high-quality, scalable solutions.

Projects

InsightSync 2.0 (CRM Platform) *(view)*

- Smart, AI-driven CRM with real-time insights and predictive analytics.
- 360° Customer & Sales Tools including support tickets and win probability.
- Modern UI with product catalog and churn prediction (90% accuracy)..

Warehouse Management System API *(view)*

- Developed an API to optimize warehouse operations by predicting sales, demand levels, and offering product placement suggestions.
- Utilized Django, Pandas, and Scikit-learn for machine learning-based forecasting and sentiment analysis.
- Features included CSV file upload support, reorder alerts, and detailed reporting.

Movie Recommendation System *(view)*

- Built a web-based movie recommendation system using content-based filtering.
- Implemented TF-IDF vectorization and cosine similarity for personalized movie suggestions.
- Enhanced user engagement through interactive interfaces and detailed movie insights.

PubMed Scraper API *(view)*

- Developed an API to fetch academic studies related to keywords from PubMed.

Chess Match Analyzer *(view)*

- Analyze Chess.com or Lichess games by username. Get move-by-move insights and performance stats—built with TypeScript.

Hackathons & Achievements

- **SIH 2024 Finalist**: Cyber Incident Monitoring and Insights Framework (Machine learning-based threat mitigation system)
- **Logithon 2024 Runner-Up**: Warehouse Management System API (Sales forecasting, demand prediction, and sentiment analysis)
- **Codethon 2023**: Social media platform connecting idea generators with developers.

Skills

- **Languages & Frameworks**: Python, Java, Django, Flask, React, HTML, CSS, JavaScript, Bootstrap
- **Cloud & DevOps**: AWS, Git
- **Tools & Technologies**: Figma, Pandas, Scikit-learn, NLTK, Spacy, GitHub

Education

Bachelor of Engineering in Artificial Intelligence and Data Science
Datta Meghe College of Engineering, Navi Mumbai *(2021 - Present)*

Higher Secondary (XII) | Kamladevi College of Arts and Commerce, Maharashtra *(2019 - 2021)*
Percentage: 89.50%

Secondary (X) | Holy Cross English High School, Maharashtra
Percentage: 87.66%

Interest

- Food
- Astronomy
- Technology
- Video Games