Nirman kumar

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PROFESSIONAL SUMMARY

Computer Science graduate with experience in software development, machine learning, and full-stack web development. Proficient in Python, Django, MERN stack, and cloud technologies. Strong in problem-solving and building scalable, user-centric solutions.

TECHNICAL SKILLS

- **Programming Languages**: Python, C++, SQL
- **Databases**: MySQL, MongoDB
- **Framework & Tools**: Django, Flask, Git
- **Technologies**: Machine Learning, Computer Vision, Cloud Computing, MERN Stack
- **Libraries:** TensorFlow OpenCV, NumPy

PROFESSIONAL EXPERIENCE

Software Education & Research Pvt. Ltd., Patna
Software Development Intern **|** Jan 2024 - Sep 2024 **|** Link

- Enhanced facial recognition for low-quality images using image processing techniques.
- Designed a duplicate image detection system that grouped similar faces in a structured SQL database.
- Built a backend trading platform with real-time NSE option chain integration and dynamic index graphs.
- Created a routing tool using Python libraries to calculate all possible routes between coordinates or user inputs.

Splen Technology & Education Pvt. Ltd, Patna
Machine Learning Intern **|** June 2021 - July 2021 **|** Link

- Developed chatbot applications as part of machine learning projects.
- Designed and deployed backend services using Django for production environments.

PROJECTS

Stock price prediction   Aug. 2023
Python, NumPy, Yahoo finance, Stream lit **|** Link

- Forecasted future stock performance using historical data and news indicators.
- Built a portfolio simulation tool to minimize risk through diversification.

Face mask detector   Jul 2022
Python, TensorFlow, Open-CV **|** Link

- Built a real-time face mask detection system using computer vision and deep learning.
- Trained a classifier to distinguish masked and unmasked individuals from camera input

Chatbot   July 2021
*Python***|** Link

- Implemented a contextual chatbot using Seq2Seq with an attention mechanism.
- Enabled dynamic response generation based on user input and dialogue context.

EDUCATION

Bachelors of Technology in Computer Science & Engineering
Lok Nayak Jai Prakash Institute of Technology, Chapra |2019 - 2023
CGPA: 7.81/10

CERTIFICATIONS

- Artificial Intelligence – NASSCOM | Virtual | Link
- Cloud Computing – NPTEL |Virtual | Link
- The Joy of Computing Using Python – NPTEL | Virtual | Link
- PHP and MySQL – Spoken Tutorial, IIT Bombay | Virtual | Link
- Cybersecurity Virtual Internship – Cisco Networking Academy | Virtual | Link