SURYANSH MAURYA

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suryansh-maurya

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OBJECTIVE

Pursue a career as an AI/ML Engineer, emphasizing backend development and artificial intelligence, while aiming to apply knowledge in machine learning and data analysis to drive forward-thinking initiatives within the tech industry.

EDUCATION

- **2023:** B.Tech. in Computer Science | Indian Institute of Technology, Goa

TECHNICAL SKILLS

- **Languages & Tools:** Python, SQL, JavaScript
- **Frameworks & Libraries:** Django, PyTorch, TensorFlow, Pandas, NumPy, Matplotlib
- **Concepts:** Machine Learning, Deep Learning, Generative AI, Computer Vision, RAG

KNOWLEDGE PURVIEW

- Artificial Intelligence
- Machine Learning
- Back-end Development
- Data Analysis & Visualization
- Software Development Lifecycle
- Agile Methodologies
- Natural Language Processing
- Computer Vision Applications
- Generative AI
- Data Pipeline Optimization

PERSONAL DETAILS

Date of Birth: 3rd December 2001
Languages Known: English & Hindi
Address: New Delhi, India

PROFILE SUMMARY

- Computer Science graduate with an expertise in Artificial Intelligence and Machine Learning, underpinned by a solid background in Data Analysis and the development of intelligent applications.
- Developed a comprehensive skill set encompassing machine learning, deep learning, and generative AI, with a particular emphasis on backend development and data handling methodologies.
- Hold comprehensive expertise in Retrieval-Augmented Generation (RAG) methodologies, playing a pivotal role in creating intelligent systems that improve user engagement and data retrieval processes.

EXPERIENCE

AI Full Stack Developer | DNS Group, Delhi | Aug'25-Present
- Designed and implemented scalable data pipelines to support the development and deployment of the company's AI Agent ecosystem.
- Contributed to the AI Agent and central engine architecture, ensuring optimized data flow, modularity, and reliability..
- Built forecasting and predictive analytics tools using LSTM, Temporal Fusion Transformers (TFT), Prophet, and custom in-house algorithms to deliver accurate business insights..
- Developed a local on-device AI chatbot optimized for low-resource hardware using lightweight models such as Phi-3 and quantized transformer variants..

Data Analyst Intern | EXL Service, Chennai | Jun'22-Nov'22
- Aggregated and integrated data from multiple sources to build efficient data pipelines, improving data workflow efficiency by 30%.
- Automated data reporting processes using Python scripts, reducing report generation time by 40%.
- Validated SQL queries to ensure 100% accuracy and consistency of data.
- Created advanced data visualizations including pivot tables and graphs to support decision-making.
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PROJECTS

Title: Document Reader – RAG-based AI Application
- Developed an AI system using RAG methodology to process uploaded documents and provide context-aware answers.
- Integrated transformer models with vector search engines (FAISS) and Hugging Face libraries for efficient information retrieval.
- Enabled real-time document parsing and dynamic Q&A functionalities within AI workflows.

Title: AI-based Disease Prediction System
- Designed and trained machine learning classification models to predict diseases based on user symptoms.
- Executed data pre-processing, feature engineering, & model evaluation using scikit-learn.
- Deployed the model via a web interface to offer accessible health diagnostics.

CERTIFICATION

Generative AI Certification from Ducat | New Delhi
- Mastered core AI, machine learning, and generative AI concepts with focus on computer vision and NLP.
- Developed projects using TensorFlow, PyTorch, and Hugging Face Transformers. Gained hands-on experience implementing Retrieval-Augmented Generation (RAG) techniques to enhance AI response accuracy.