

GODCARES NDUBUISI

Pune, Maharashtra, India

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WORK EXPERIENCE

Junior Data Scientist (Intern)

Jan 2025 - Jun 2025

Guruji AIR International | Pune, India

- Built scalable web scraping pipelines (BeautifulSoup, Scrapy) to extract handwritten manuscripts, improving dataset quality for ML tasks.
- Developed a multilingual plant species identification system (TensorFlow, EfficientNet) with live camera detection (WebRTC).
- Created an AI assistant using Cohere LLM, FAISS, and Streamlit for PDF Q&A with voice/text input, enhanced via Gemini API integration.
- Researched Agentic AI and AI governance, producing technical documentation for internal knowledge sharing.

Project Intern

Jul 2024 - Dec 2024

Centre for Development of Advanced Computing (C-DAC) | Pune, India (Remote)

- Built a real-time ransomware detection system using supervised ML algorithms (Random Forest, SVM, Neural Networks).
- Collaborated on detection strategies to minimize system disruption during classification.

EDUCATION

B.Tech, Artificial Intelligence and Machine Learning | Symbiosis Institute of Technology, Pune, India, Pune, India

Jul 2021 - May 2025

AWARDS

International Student Merit Scholarship, Symbiosis Institute of Technology

Mar 2024

Awarded for outstanding academic excellence and performance as an international student.

PROJECTS AND RESEARCH

Smart Manufacturing in Industry 4.0: Generative AI-Driven Predictive Maintenance with Big Data

Oct 2024

- Built a predictive maintenance model using Wasserstein Conditional GANs and big data analytics, achieving 85% accuracy in real-time equipment failure detection and reducing downtime.

Fusion of Deep Architectures in Intent-Driven Networks for Intrusion Detection

Jun 2024

- Developed a hybrid deep learning intrusion detection system achieving 95%+ accuracy in anomaly detection to strengthen network security.

ReinforceTrader: RL-Based Stock Trading with Sentiment Analysis

May 2024

- Created a SARSA-Reinforcement Learning trading bot with sentiment analysis, outperforming the SPY benchmark and achieving 80.81% return over 3 years; integrated blockchain for asset tracking.

Exploring Customer Segmentation in the Context of Market Analysis

Dec 2024

- Applied unsupervised clustering to segment customers and optimize marketing strategies, improving targeting efficiency.

SKILLS

- Programming Languages:** Python, SQL, Java
- Frameworks & Tools:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch, Streamlit, Jupyter, LangChain, Gemini, Cohere API
- Data Engineering & Pipelines:** Data Preprocessing, Feature Engineering, Data Pipelines, Data Wrangling, Dashboards, Statistical Modeling, CI/CD, Exploratory Data Analysis, Data Science, Microsoft Power BI, MongoDB
- Machine Learning:** Classical ML, Time Series Analysis, Computer Vision, EfficientNet, LSTM, BERT, Qualitative and Quantitative Analysis, Transfer Learning, Transformer Architecture, Reinforcement Learning
- LLM & Generative AI / Retrieval:** Production-grade chat & voice LLM agents, Prompt engineering, Multimodal AI integration, Knowledge retrieval systems, RAG pipelines, FAISS, Vector search, Semantic search, RAG evaluation, Cohere
- MLOps & Monitoring:** Model deployment, DVC, MLflow
- Cloud & Infrastructure:** Microsoft Azure, Google Cloud Platform, Firebase, Docker, Git, GitHub
- Soft Skills:** Technical Communication, Teamwork & collaboration, Problem Solving, Critical Thinking, Time Management, Documentation & knowledge sharing, Adaptability, Leadership, Creativity & innovation, Analytical reasoning

VOLUNTEER AND TRAINING

Trainee, Gamechanger Community, Berlin, Germany

Mar 2021 - Apr 2021

Trained in market analysis and product development, with focus on consumer needs and goal tracking.

PUBLICATIONS

Exploring Customer Segmentation in the Context of Market Analysis, IEEE Xplore

Mar 2024

[Exploring Customer Segmentation in the Context of Market Analysis](#) | [IEEE Conference Publication](#) | [IEEE Xplore](#)

Fusion of Deep Architectures in Intent-Driven Networks for Intrusion Detection, CRC Press

Apr 2025

[Digital Defence: Harnessing the Power of Artificial Intelligence for Cybersecurity and Digital Forensics](#) | [Taylor and Francis](#)