

Harshit Malik

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SUMMARY

Applied AI and full-stack engineer skilled in debugging LLM-based systems, optimizing inference, and deploying real-time scalable pipelines. Strong in Python, React, Docker, and building robust AI applications with modern tools like TensorFlow, FastAPI, and Supabase.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript, SQL

Technologies & Tools: ReactJS, Next.js, Node.js, Nest.js, Express, TensorFlow, Keras, Scikit-learn, Flask, Firebase, MongoDB, PostgreSQL, Jupyter Notebook, VS Code, Git, GitHub

Domains & Expertise: Natural Language Processing (NLP), Machine Learning (ML), Computer Vision (CV), Data Analysis, Backend Development, Frontend Development

Soft Skills: Leadership, Team Collaboration, Problem-Solving, Time Management, Communication, Adaptability

EDUCATION

Jagannath University

New Delhi, India

B.Tech in Computer Science (AI & ML)

Aug. 2022 – Present

Relevant Coursework: Machine Learning, Deep Learning, Big Data Analytics, Distributed Systems

EXPERIENCE

Data Science Intern

Remote

Infinisync Consulting

Feb. 2025 – Present

- Built dental anomaly detection pipeline using **YOLOv7** & **Mask R-CNN** (94% mAP).
- Optimized inference by 40% via **TensorRT** quantization with negligible accuracy drop.
- Deployed scalable diagnostic API with **FastAPI** & **Docker**, processing 500+ daily images with stress-tested edge cases.

Data Science Intern

Remote

SEO-DNA

Jul. 2024 – Dec. 2024

- Created **XGBoost** churn model (92% AUC), reducing churn by 30%.
- Automated pipelines via **AWS Lambda** & **Step Functions**; reduced ETL time 50%.
- Built **Tableau** dashboards to track 15+ metrics for business insights.

PROJECTS

RescueChain | *React, TypeScript, Supabase, Docker, Polygon, Twilio* | rescuechainn.vercel.app

Disaster response platform simulating real-time events with blockchain-based funding triggers.

- Built interactive simulation platform with **Leaflet**, SMS alerts, and Polygon-based fund logic.
- Verified events via **NewsAPI** + heuristic fake-news filters.
- Used **Supabase** + **Docker** for backend scalability; tested edge-case reliability.

StockNewzz | *Python, Pegasus, Hugging Face, Streamlit* | stocknewzz.streamlit.app

Real-time stock sentiment analyzer using NLP and summarization.

- Fine-tuned **Pegasus** + Hugging Face for extracting actionable stock sentiment.
- Built fallback logic for unreliable inputs; improved accuracy under noisy data.
- Deployed with **Streamlit** UI + CSV export for user insights.

CERTIFICATIONS & ACHIEVEMENTS

Coding Blocks: Machine Learning Mastery Course

Best Data Science Intern – SEO-DNA (2024): For impactful churn prediction solution.

Hackathon Winner – Jagannath University