

HARSHIT PATIL

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Professional Summary

Motivated AI/ML Engineer with strong foundational knowledge in artificial intelligence, Python programming, and model development. Demonstrated experience in building AI-driven solutions using virtual assistants, sentiment analysis, and automation tools. Passionate about applying generative AI and NLP concepts in real-world scenarios through agile, team-based collaborations.

Education

B.Tech in Artificial Intelligence & Machine Learning

St. John's College of Engineering and Management, ALDEL Institute (Pursuing)

HSC (Science)

Sonopant Dandekar College, Maharashtra (2020–2022)

Experience

Cybersecurity Intern, Jetking, Vashi, Navi Mumbai

Dec 2024 – Jan 2025

- Assisted in vulnerability assessment and implemented cybersecurity protocols.
- Gained exposure to tools like firewalls, intrusion detection systems, and malware scanners.

Projects

Stock Prediction Dashboard.

- Developed ML-based dashboard with sentiment analysis of tweets/news using Python.
- Achieved 57% prediction confidence, with a 30% reduction in latency for real-time updates.

Construction cost estimation A.I. Agent

- Fine-tuned a LLaMA 3 model using Ollama and Google Search API for dynamic cost estimation.
- Reduced error margin by 30%, boosting budgeting accuracy by 25%.

Deal Finder

- Python web scraper with a MERN stack frontend for real-time deal aggregation.
- Improved scraping accuracy and refresh speeds by 40% through backend optimization.

Skills

Programming Language: Python (HackerRank - Gold), C++, SQL, Java

AI/ML: NLP, Sentiment Analysis, Supervised & Unsupervised Learning

Tools & Frameworks: Pandas, NumPy, PyTorch, Scikit-learn, Matplotlib, yfinance

Web Technologies: HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB

Cloud/Platforms: Google Cloud, IBM Cloud, Git, API integration

Data Analysis & Databases: Excel, Power BI, MySQL

Research & Publications

Quantum-Secure Unified Blockchain Network (QSUN)

Presented at Thakur College of Engineering and Technology (TCET) 2025

- Explored decentralized, AI-driven cybersecurity solutions for quantum resistance.

Certifications

IBM AI & Professional Certificate – 2024

NPTel – Python for Data Science – 2025

Achievement's

Sponsorship Coordinator, Megaleio 2025 – Managed key partnerships for national techfest at St. John's College.