

Harsh Singh Parihar

+91 8103480872 | harshsinghparihar9467@gmail.com | linkedin.com/harshparihar | github.com/ALaiNPLayZ

EXPERIENCE

AI Project Intern | Samsonite (Remote)

Mar 2025 – May 2025

- Increased online user engagement by **22%** by developing a hybrid recommendation engine (collaborative + content-based filtering) serving 100K+ monthly users, integrated seamlessly into the e-commerce platform.
- Reduced inventory mismatch and overstocking by **30%** through an LSTM-based demand forecasting model deployed across multiple regions, processing over 500K daily sales transactions in real time.
- Designed automated data pipelines in Python & SQL for ingestion, cleaning, and transformation of multi-source logistics data, and built monitoring dashboards in Power BI to maintain **98% system uptime**.

PROJECTS

AquaDepth | React, TypeScript, Supabase, PostgreSQL, Edge Functions

Jan 2025 – Apr 2025

- Built a real-time water depth & sediment monitoring system that improved management efficiency by **35%**, with a custom analytics pipeline (filters, outlier detection, signal scoring) for high-accuracy sensor data.
- Optimized PostgreSQL queries and indexing to reduce dashboard load time by **45%**, and integrated Supabase Edge Functions for anomaly alerts delivered within 3 seconds.
- Developed location-aware dashboards with weather correlation, enabling data-driven decisions for 50+ engineers & researchers.

Healthcare-AI | Python, TensorFlow, Keras, React, Node.js, MongoDB

Jul 2024 – Jan 2025

- Created an AI-powered health platform for predictive analytics, telemedicine, and mental health support, benefiting **1,000+ active users** with **92% model accuracy** on disease prediction tasks.
- Integrated secure REST APIs with JWT-based authentication and role-based access control, ensuring HIPAA-compliant data handling.
- Developed a cross-platform interface (React web + mobile) for instant access to AI-driven recommendations and health tracking.

AlgoViz | Next.js, React, Node.js, JavaScript, Tailwind CSS

Feb 2024 – Apr 2024

- Developed an interactive algorithm visualization platform increasing learner comprehension by **40%**, featuring D3.js-powered step-by-step animations for sorting, searching, and graph algorithms.
- Implemented parameter customization & live execution view, and deployed via Vercel with a CI/CD pipeline for zero-downtime updates.

TECHNICAL SKILLS

- **Languages:** Python, C/C++, JavaScript, TypeScript, Java
- **Frontend:** React, React Native, Next.js, Tailwind CSS, Bootstrap, HTML/CSS
- **Backend:** Node.js, Express.js, Django, Flask, FastAPI, .NET
- **Databases:** MongoDB, PostgreSQL, MySQL, SQLite
- **Tools/Cloud:** AWS, Docker, Kubernetes, Git, Bash, CI/CD, REST APIs, GraphQL
- **ML/AI:** TensorFlow, PyTorch, scikit-learn, OpenCV, pandas, NumPy

EDUCATION

VIT Bhopal University

B.Tech in Computer Science and Engineering

Sehore, MP

Sep 2022 – May 2026

- **Specialization:** Artificial Intelligence and Machine Learning; **CGPA: 9.40/10**

ACHIEVEMENTS

- Winner – Inter VIT Hackathon (AdVITya 24) – Prize Rs. 10,000.
- Top 50 out of 1,000+ teams – National Hackathon by GeeksforGeeks & Vultr.
- Winner – Multiple chess tournaments including Tata Steel Chess Open (Under 2000 Elo).