

Yash Salokhe

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EDUCATION

University of Arizona

Masters in Data Science

May 2026

Tucson, AZ

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering

May 2022

Pune, India

TECHNICAL SKILLS

Languages: Python, SQL, C, C++, C#, R

AI/LLM Tools: LangChain, LangSmith, OpenAI API, Groq, Hugging Face, Transformers, PyTorch, TensorFlow

Data & ML: Pandas, NumPy, Scikit-Learn, NLTK, Matplotlib, Seaborn, EDA, Statistical Modeling

Infrastructure/Tools: Docker, MongoDB Atlas, FastAPI, GitHub, JIRA, BitBucket, Power BI, Tableau

WORK EXPERIENCE

Data Scientist

July 2023 – June 2024

AI Variant

Ahmedabad, India

- Reduced operational downtime by 18% by developing a forecasting model using supervised learning techniques that enabled clients to preemptively identify and prevent unplanned equipment failures.
- Informed business strategy changes by conducting sentiment analysis and statistical modeling on client datasets exceeding 1M+ records, utilizing Python and SQL to identify key usage spikes and customer behavior trends.
- Accelerated model deployment time by 40% across three high-impact business projects by building scalable ML pipelines with scikit-learn that automated data preprocessing, training, and evaluation steps.

Analyst

August 2022 – May 2023

Tetrapak

Pune, India

- Increased data processing efficiency by 30% by automating ingestion processes across 10+ production workflows, significantly refining data accessibility for cross-departmental stakeholders.
- Reduced stakeholder inquiry volume by 25% by drafting interactive Power BI dashboards that visualized real-time KPIs and production trends for immediate executive decision-making.
- Improved data reliability by 20% by implementing automated validation scripts during the ingestion phase to resolve schema inconsistencies and eliminate manual entry errors.

Software Developer Intern

January 2022 – June 2022

Coditas

Pune, India

- Optimized query efficiency by 25% by designing normalized database schemas and building secure REST APIs for high-throughput message storage and user data retrieval.
- Ensured 100% message delivery and data persistence by creating backend services to manage real-time user sessions, notifications, and complex message queuing using SignalR.

PROJECTS

VibeTrip: Context-Aware AI Travel Planner | *FastAPI, LangChain, MongoDB, Docker*

Oct 2025 – Dec 2025

- Developed an end-to-end AI engine utilizing **Groq API (Llama 3)** and **LangChain** to transform user "vibes" into itineraries with persistent state management.
- Engineered a custom scoring algorithm to align user "vibe" tags with POI metadata through keyword vectorization and normalized sentiment analysis, ensuring high-relevance matches between user intent and geographical locations.
- Deployed the stack via **Docker** on **Hugging Face** and established an observability layer with **LangSmith** to trace chain reasoning.

YouTube-to-Blog Multi-Agent System | *CrewAI, Python, YouTube Transcriber API*

Aug 2025 – Sept 2025

- Automated the conversion of 1,900+ YouTube videos into high-quality blog posts by architecting a **multi-agent system** using **CrewAI** to handle extraction, research, and content generation.
- Reduced manual content creation time by 95% by designing a sequential process between a Researcher Agent (content validation) and a Content Writer Agent (SEO-optimized drafting).

Chess AI Agent Performance Analysis | *Python, AI Algorithms*

Jan 2025 – June 2025

- Implemented Minimax, MCTS, and Negamax agents, simulating 500+ matches; MCTS achieved a 20% higher win rate in late-game scenarios.
- Structured heuristic evaluation functions across 5 features, increasing board evaluation consistency by 40%.
- Integrated alpha-beta pruning in MCTS, reducing search tree depth by 30% while maintaining decision quality.