

Rishee Panchal

Mumbai

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Education

Dwarkadas J. Sanghvi College of Engineering
B.Tech in Artificial Intelligence and Machine Learning
◦ CGPA: 9.40/10.0

Aug 2023 - May 2027

Technical Skills

Languages: Python, Java, SQL, JavaScript (React.js, Next.js, Node.js)
ML / DL & GenAI: Keras, HuggingFace, LangChain, NLTK, TensorFlow, PyTorch
Cloud & DevOps: GCP, Docker, Kafka, Kubernetes, Git
Databases & BI: Supabase, MySQL, Pinecone, MongoDB, PowerBI,

Work Experience

Suvidha Foundation
Artificial Intelligence Intern

June 2025 - Aug 2025

- Fine-tuned 5+ transformer models for news text summarization on a dataset of 15,000+ articles.
- Evaluated and benchmarked models using ROUGE-1, ROUGE-2, and ROUGE-L metrics.

Projects

Aequitas: Real-Time Algorithmic Fairness Audit Platform

[github](#) 

- Engineered a high-throughput event-driven architecture using FastAPI, Kafka, and Redis to detect algorithmic bias in live financial data with sub-second latency.
- Implemented an Explainable AI (XAI) pipeline using Flan-T5 to generate natural language decision justifications, visualized on a Keycloak-secured React dashboard.
- **Tools Used:** FastAPI, Kafka, Keycloak, React, HuggingFace, Supabase

NeurAL-Viz: Real-time Program Execution & Data Structure Visualizer

[github](#) , [live](#) 

- Browser-based Python linked list visualizer with time-travel debugging using Pyodide and Web Workers
- Built real-time pipeline tracing and rendering dynamic memory graphs.
- **Tools Used:** Next.js, React Flow, Pyodide, Vercel

ml-explain-preprocess: An Open source PyPI Package

[PyPI](#) 

- Published and maintained a Python preprocessing package with 1k+ downloads for explainable ML workflows
- Engineered modular toolkit for preprocessing, feature selection, and visualization.
- **Tools Used:** Python, Scikit - learn, Pandas

Pharma Sales Territory Optimization

[github](#) 

- Optimized 100+ pharmacy assignments to 10 sales reps using K-means clustering, with Python and MySQL on GCP Cloud SQL.
- Built Power BI dashboard with sales trends and KPI visuals using SQL and DAX.
- **Tools Used:** Cloud SQL, MySQL, Python, PowerBI

Research Experience

Research in Collaboration with IITM Pune (Ongoing)

February 2025 – Present

- Ongoing research on identifying severe rainfall pockets in Mumbai using AI and machine learning methods.
- Applying data-driven techniques to meteorological datasets to analyze precipitation patterns and anomalies.

Certifications

LLMOps and AIOps Bootcamp
2025 Bootcamp: Generative AI, AI Agents, LLMs

August 2025

April 2025

Achievements and Co-Curricular

Founding Member & Secretary at an AIML Club - DJSCoDeAI
Selected for J.P. Morgan Chase External program, 2025
Ranked Top 15 in the Megahack 5.0 National level Hackathon out of 250 teams
Nominated as Finalist of Innovize Hackathon at VJTI, Mumbai

August 2025

April 2025

March 2025

February 2025