

Rishee Panchal

Mumbai

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[LinkedIn](#)

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Education

Dwarkadas J. Sanghvi College of Engineering

B.Tech in Artificial Intelligence and Machine Learning

- CGPA: 9.43/10.0

August 2023 - May 2027

Technical Skills

Languages & Frameworks: Python, Java, SQL, JavaScript, TensorFlow, PyTorch, Keras, scikit-learn, MERN Stack

GenAI & LLM Ecosystem: HuggingFace, LangChain, LangGraph, LlamaIndex, CrewAI, N8N, NLTK

Tooling & Deployment: Docker, Kubernetes, Git, GitHub, Vercel, Render

Data Systems & Computer Vision: MySQL, Pinecone, FAISS, ChromaDB, OpenCV, Mediapipe

Work Experience

Suvidha Foundation

Artificial Intelligence Intern

- Conducting research on Large Language Models (LLMs) and transformer architectures for natural language processing applications
- Collaborating on writing and publishing a research paper on advanced LLM techniques and their practical implementations

May 2025 - Present

Projects

MediBot - AI Powered Medical chatbot

[github](#) 

- Built an AI-powered Healthcare LLM-based medical chatbot using Gemini and Pinecone vector search
- Achieved 50% faster query resolution with semantic retrieval (RAG) and deployed the backend via Flask
- **Tools Used:** Gemini, Pinecone, Flask, LangChain, Render

Voice controlled AI assistant for Android

[github](#) 

- Built an offline Android AI assistant as part of a 4-member team, using SpeechRecognition, TTS, and Flask.
- Supported voice-based app control, web search, and meeting scheduling.
- **Tools Used:** Python, Flask, SpeechRecognition, Android TTS

TicketTriage - A FullStack AI Agent

[github](#) 

- Developed a full-stack ticket management system with an AI agent powered by Inngest to automatically triage, categorize, and route support tickets.
- Used React.js for the frontend, Node.js and Express.js for the backend, and MongoDB for data persistence.
- **Tools Used:** React.js, Node.js, Express.js, MongoDB, Inngest

Research Experience

Research in Collaboration with IITM Pune

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 climate anomalies.

Certifications

Complete Data science, ML, DL, NLP bootcamp Certificate

February 2025

Tensorflow for Deep Learning bootcamp Certificate

December 2024

Achievements and Co-Curricular

Selected for J.P. Morgan Chase External program, 2025

April 2025

Ranked Top 15 in the Megahack 5.0 National level Hackathon out of 250 teams

March 2025

Founding Member & Secretary at DJSCodeAI

March 2025

Nominated as Finalist of Innovize Hackathon at VJTI, Mumbai

February 2025