

Rajat Disawal

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portfolio-rajatdisawal.vercel.app

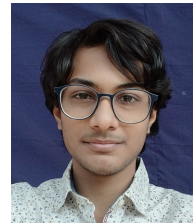
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Mumbai, Maharashtra - 400074, India



Objective

Exploring the brilliant world of Artificial Intelligence and using it to develop new applications and solutions to existing problems. Leading groups to wins both in work and life. Implementing new research papers and advancing in various fast growing networks and peers. Finding excited entrepreneurs to collaborate with and learn.

Experience

- **Refresh Kid** [refreshkid.com] July 2025 - Present
Automation Engineer Mumbai, India
 - Implemented multiple automation workflows on n8n integrating multiple apps.
 - Connected Whatsapp, Google Cloud, Sheetsm etc via APIs and n8n nodes.
 - Assisted in various tech related problems helping my colleagues debug code issues.
- **Neuraquill** [neuraquill.com] September 2024 - Present
VP of Technology Mumbai, India
 - Setup reverse proxy and processmanagement using NGINX and Supervisorctl in a secure private server.
 - Curated and deployed a working Stock Market Trader Bot using Upstox APIs on a private VPS.
 - Developed a backend for a custom AI integrated NextJS-UI components library in python.
 - Implemented memory management techniques from a research paper, MemGPT, optimizing contextual token generation.
 - Constructed a custom Chain-Of-Thought pipeline for a LLM alongside context understanding.
- **Vivekanand Education Society's Institute of Technology** [vesit.ves.ac.in] April 2025 - Present
AI LLM Engineer Mumbai, India
 - Implemented various ML algorithms for predicting circumference data from an images dataset with an average error of 3.8mm
 - Played with structured and unstructured data implementing Deep Neural Networks and fusion models for image processing.
 - Played with 3D reconstruction of models from images as an attempt for measuring circumference of arm,
- **CRITSO** [critso.com] December 2024 - February 2025
Software Development Intern Mumbai, India
 - Developed the complete website for the company from scratch using NextJS + TailwindCSS.
 - Constructed a niche-specific web application involving granular redux definitions for dynamic components.
 - Optimized the redux tabs for handling 100+ API requests at once.

Education

- **Vivekanand Education Society's Institute of Technology** 2022 - 2026
B. Tech. Artificial Intelligence and Data Science Mumbai, India
 - CGPA: 7.7
- **Kalidas Montessori Sr. Sec. School** 2022
12th Ujjain, India
 - Grade: 82.6%

Projects

• **Reddit Profiler**

Tools: Langchain, Selenium, PRAW, NextJS, FastAPI

July 2025

[\[Live URL\]](#)

- Designed an end to end workflow for assess and generating a persona for users active on Reddit.
- Deployed a Reddit Scraper with budget constraints in the real world.
- Self-Designed and deployed a frontend in NEXTJS to share this project with the people.

• **LiteMentor AI**

Tools: Langchain, NextJS, FastAPI

July 2025

[\[Live URL\]](#)

- Created a Student Answer's evaluation tool to help teachers and students aptly decide the score for a given answer.
- Constructed a compact working AI pipeline in python that is deployable for no cost.
- Self-Designed and deployed a frontend in NEXTJS to test the pipeline and deployed publicly for open source usage.

• **Github Coding Agent Assistant**

Tools: Langchain, Github APIs, React, unidiff, linter

July 2025



- Innovated a custom AI agent with a budget constraint using a Langchain base class.
- Curated multiple custom tools and functions with access to Github repositories for exploration and manipulation using a bare model.
- Wrote down special prompts and scenarios to ensure proper and streamlined model assembly and tools interaction.

• **Autonomous Procurement Agent**

Tools: Langchain, Python, Railway, Redis

July 2025



- Designed a variety of tools for text parsing and converting natural language into database queries.
- Setup a Redis database for chat memory history and context preserving.
- Devised a proper agentic structure and pipeline for handling all sorts of user queries with graceful error handling.

• **CRITSO: The official website of CRITSO**

Tools: NextJS, TailwindCSS, Shadcn/UI, TypeScript and JSON

December 2024 - January 2025



- Created a multi-page website with transition animations between pages using framer-motion.
- Implemented responsiveness using breakpoints and maintained overall quality of code.
- Experimented with various hover effects creating professional components like carousels, sliders, cards, sidebars, etc.

Skills

- **Programming Languages:** Python, TypeScript, JavaScript, Java, C, MySQL, PostgreSQL
- **AI Tools:** OpenAI API, N8N, OpenRouter, Landing AI
- **Frameworks:** PyTorch, Jax, Tensorflow, Transformers, NodeJS, ExpressJS
- **Database Systems:** Supabase, MongoDB, ChromaDB, SQLite, MS SQL Server
- **Data Science & Machine Learning:** Pandas, Numpy, Axolotl, DSPy, Unsloth
- **Soft Skills:** Leadership, Persuasive Speaking, Critical Thinking, Creative Writing
- **Hobbies:** Singing, Guitar, Piano, Travel

Leadership Experience

• **Lawful Llamas Team Leader**

Vivekanand Education Society's Institute of Technology

August 2024



- Designed a work designation for my team of 6.
- Scheduled meetings and lectures to teach about our project.
- Properly delegated tasks on the basis of member skill.
- Skills Gained: Objective-based working, Team Growing, Idea Sharing

Volunteer Experience

• **Content Writing Internship**

First Contact

October 2023 - January 2024



- Developing SEO content for the website via blogs, comments in posts, etc.
- Growing people skills while talking to various out of community people.
- Skills Gained: Idea delivery, Conversation, Business Marketing

Certifications

- **Nvidia's Data Parallelism**
- **Nvidia's AI for Predictive Maintenance**
- **Nvidia's AI for Anomaly Detection**
- **Nvidia's Fundamentals of Deep Learning**
- **Oracle's Generative AI Course**

December 2024

October 2024

September 2024

September 2024

May 2024

Additional Information

- Languages: English (Fluent), Hindi (Fluent), Portuguese (Learning)
- Interests: Talking, Meeting new people, Debating, Discussing, Working out of a comfort zone, Puzzle solving