

Priyanka Morajkar

M.Sc. Data Science & AI Student

✉ priyankamorajkar291@gmail.com ☎ +91 8850425197 📍 Mumbai, India 🔗 priyankamorajkar.in

🐙 github.com/priyankamorajkar 🌐 linkedin.com/in/priyankamorajkar/

Postgraduate student in Data Science and Ai, seeking a Project Operational Analyst role in Mumbai. Skilled in Excel, basic networking concepts, and web technologies. Strong at analyzing data, spotting patterns and anomalies, and supporting operational tasks. Detail-oriented, analytical, and comfortable working in fast-paced, cross-functional technical environments.

🎓 EDUCATION

M.Sc. Data Science and Artificial Intelligence,

SVKM's Mithibai College

Jun 2024 – Present

- MIH: Designed priority-queue based system to optimize OPD patient flow.
- SIH: Led team developing a cultural-heritage technology solution.
- Zonal Chess Rank: 7

B.Sc. Computer Science, Kirti M. Doongursee College

Oct 2021 – May 2024

- Inter-college 1st prizes across programming, web development, tech innovation, and creative competitions.
- Competitions held at Somaiya, Ruia, KC College, Lala College, Guru Nanak College.

HSC Computer Science, Maharshi Dayanand College

Jul 2017 – Oct 2021

SSC, Convent Girls' High School

Jun 2016 – May 2017

📁 PROJECTS

PRESLA: Self-Driving Car Simulation 📄,

Unity, Neural Networks, Genetic Algorithms, Simulation Systems

- Developed a self-driving car simulation in Unity.
- Implemented neural networks optimized using genetic algorithms.
- Enabled real-time decision making and obstacle avoidance through evolved policies.

Smart Text Analyzer 📄, Python, Regular Expressions, scikit-learn

- Built a command-line NLP tool to compute text statistics, perform sentiment analysis, and extract key themes.
- Implemented robust text preprocessing and cleaning pipelines using regular expressions.
- Applied classical NLP and machine learning techniques using scikit-learn.

Web Summarizer 📄, Ollama, Gradio, LLM

- Built an end-to-end text summarization system using locally hosted LLMs via Ollama.
- Implemented URL ingestion, HTML parsing, text cleaning, and normalization.
- Generated semantic summaries without cloud dependency.
- Designed an interactive Gradio interface for real-time input and output.

🧠 TECHNICAL SKILLS

Programming & Core CS: Python, PHP, C++, Java (basic), Object-oriented programming fundamentals, Data structures, control flow, error handling

Backend & System Basics: Asynchronous logic and task coordination, Local data storage concepts (SQLite, MongoDB), Configuration handling and environment setup, Debugging and troubleshooting code issues

Windows & Application Context: Experience building **local-first tools and applications**, Familiar with Windows execution environment and workflows, Exposure to background-style processes and CLI tools, Actively learning C#, .NET, and Windows internals

Web & APIs: Node.js, Express.js, REST APIs and client-server interaction

Tools: Git, Jupyter Notebook, Unity, Excel, Canva

🏆 AWARDS

AI Tools - Techstorm, Ruia College

Website Designing - Horizon, Zeal, Kirti College, Guru Nanak

Unique Programming - Horizon, Kirti College

TechTank - Fiestron, KC College

Blue Canvas - Zoofiesta, Kirti College

MIH - Internal Hackathon, Mithibai College

Kirti Avishkar, Kirti Avishkar Committee

Chess - Nivesh, Horizon, Kirti, Mithibai

Vidhurniti - Anubhuti, Ruia College

📄 CERTIFICATIONS

AI Engineer Core Track 📄, Udemy

The Complete Full-Stack Web Development Bootcamp 📄, Udemy

📄 PUBLICATIONS

Locality Preservation Under Constraint: A Comparison of Hilbert and Z-Order Curves for Partial Range Queries in Small to Medium Grids, IJ Publication