

Rishikesh Giridhar

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Education

K.J Somaiya School of Engineering June 2025 – Present
Masters of Technology in Artificial Intelligence and Data Science
Relevant Coursework: Machine Learning, Artificial Intelligence, Natural Language Processing, Statistics

K.J Somaiya Institute of Technology Dec 2021 – May 2025
Bachelor of Technology in Artificial Intelligence and Data Science
Relevant Coursework: Machine Learning, Data Structures, Algorithms, Artificial Intelligence, Statistics
CGPA: 8.6 / 10

Pace Jr. Sci. College April 2019 – April 2021
H.S.C

Trinity International School May 2007 – Mar 2019
I.G.C.S.E A-Level

Publications

Towards Mitigating Misinformation: A Structured Dataset of Fact-Checked Claims from News Media, IEEE, 2024

Misinformation online is a serious threat, rapidly influencing public opinion and decisions. To combat this, researchers created the "Factrix" dataset by collecting and labeling news from fact-checking websites, aiming to train AI models to identify false information in text and potentially images, while also tracking misinformation trends over several years.

FastWrite: Automation of Code Documentation, Taylor & Francis, 2026

An AI-Assisted tool that automates code documentation for Python repositories, utilizing multiple AI models to generate comprehensive documentation and evaluate its quality against reference documents using BLEU scores.

Research Experience

Research Intern, *Society for Data Science* May 2023 – May 2025

- Conducted research on the diffusion of Misinformation across various platforms.
- Created a Dataset Factrix through the process of scraping various news sites such as IndiaToday, ANI etc to help train models
- Performed a Trend Analysis on the spread of fake news through methods such as Topic Modelling
- Co-authored a paper on the Factrix Dataset and the analysis of diffusion of Misinformation.

Certifications

C++ Fundamentals, Coursera Completed Mar 2022
R Programming, Coursera Completed Mar 2024
Azure Certification, Microsoft Completed Jun 2022
Accenture Developer Program, Accenture Completed May 2023
Generative AI Professional, Oracle Completed Jul 2024
Microsoft Active Directory, Udemy Completed May 2023

Skills

Programming Languages: Python, R, C++, Rust

Frameworks: TensorFlow, PyTorch, Scikit-learn, Numpy, pandas

Generative AI Frameworks: Langchain, Groq, OpenRouter, VertexAI

Tools: Git, Docker, Jupyter, Ollama

Soft Skills: Analytical Thinking, Problem Solving, Team Collaboration, Conflict Resolution

Projects

EnigmaOS

enigmaos.rishispace.dev

- A gaming focused distribution of Arch Linux designed for Privacy and Security.
- Features a barebones GNOME DE with libraries and tools pre-installed for gaming. Along with a pre-configured Firewall to protect user data and enhance network security.

OSFM

osfm-site.vercel.app

- Open-source suite of tools to enhance developer and system administrator productivity.
- Subprojects:
 - **Net (remote management):** Remote monitoring control of multiple lab systems: install/uninstall software, multi-system RDP control, mass PowerShell execution, automated corrupted OS file scan repair.
 - **Markdown Editor (AI Markdown):** AI-enhanced editor with cloud sync and productivity features.
 - **Credentials Manager (secure storage):** Local-first secure storage for API keys, SSH/GPG keys, and passwords.
 - **AI Terminal Assistant (AI-Assisted Terminal):** NLP-powered assistant to generate terminal commands from natural language.

FastWrite

fastwrite-py.vercel.app

- Developed a python module that allows seamless documentation of entire code repositories for developers
- This tool allows Developers to:
 1. Process Code Files: Extract and list Python files from a ZIP archive
 2. Generate Data Flow Diagrams: Create a data flow chart (in Graphviz format) by analyzing Python code using the AST module
 3. Generate Documentation: Produce detailed documentation for Python code using multiple AI models
 4. Evaluate Documentation Quality: Compute BLEU scores to compare generated documentation against a reference document

Extracurricular Activities

Technical Lead, Society for Data Science, K.J Somaiya Institute of Technology Jul 2024 – May 2025

- Organized workshops and seminars on Machine Learning topics. as a Domain Lead
- Organized KnowCode 2.0, a Hackathon hosted by Society for Data Science with the theme of sustainability.