

# Rishikesh Giridhar

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## Education

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**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

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**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.

## Research Experience

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**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

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

## Skills

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**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

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### OSFM - Net

[github.com/RishiSpace/osfm](https://github.com/RishiSpace/osfm)

- Developed a tool that system administrators can use to remotely monitor and control multiple systems in a lab.
- Allows the admins to :
  1. Remotely Install and Uninstall Programs
  2. Remotely control multiple systems (using RDP)
  3. Mass-execute custom PowerShell Commands at the Admin's Discretion
  4. Provides the ability to automatically scan and fix Corrupted OS System files

### FastWrite

[fastwrite-py.vercel.app](https://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

### OSFM - Markdown Editor

[osfm-md.vercel.app](https://osfm-md.vercel.app)

- Developed an AI-Enhanced Open-Source Markdown Editor with a focus on Cloud-Sync and User Productivity.

### OSFM - Credentials Manager

[osfm-creds.vercel.app](https://osfm-creds.vercel.app)

- Developed a Local-first Open-Source tool that allows users to securely store and manage their credentials (APIs,SSH/GPG Keys and Passwords).

### OSFM - AI Terminal Assistant

[osfm-ata.vercel.app](https://osfm-ata.vercel.app)

- Developed an AI-Enhanced Open-Source tool that leverages Natural Language Processing (NLP) to generate terminal commands

## Extracurricular Activities

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**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.