



## PROFESSIONAL SUMMARY

Award-winning Data Scientist - Assistant Manager (SME) at Reliance Jio with about 3 Years of Total Experience.

## WORK EXPERIENCE

### Reliance Jio Infocom Limited

~ 2 Years

*Data Scientist - Assistant Manager, Geo-Spatial Solutions*

2022 – 2024

- Increase 112 Location Accuracy by 83% while reducing inconsistency by 66% using Machine Learning
- Enhanced PAN Emergency Alert Network capabilities while reducing 4G Cell Broadcast reception time by 71.6%
- Achieved 93% reduction in cost and time for PAN India 5G testing via innovative data process automation
- 112 Emergency Architecture Fault Detection Analysis - Successfully reducing Error from 44% to 23%
- Integrated ISRO's NavIC System for Automated Jio A-GPS Location Queries and strategic live Data Injection

### Yantriq Systems Pvt. Ltd.

~ 6 Mon

*Intern, Video Wall Data System*

2019 – 2020

- Deployed CCTV monitoring and analysis system at B.A.R.C Mumbai, enhancing real-time data visualization
- Worked in the configuration of NVU Israel video-wall controller for optimizing data display and integration
- Created a multi-layout visualization template with custom scripts to facilitate efficient data monitoring and recording

### VES Renaissance Cell

~ 6 Mon

*Intern, BASA : Banking Application for Specially Abled*

2019 – 2020

- Led Backend Database development and secured data transmission with dual-layer Firebase encryption
- Developed advanced AI based voice-to-command functionality for accessible data interaction using Regex
- Designed whole UI with shoulder surfing protection using Python and Kivy including model development

## HIGHLIGHTS

- **Research Paper:** Visual Speech Recognition using Deep Learning-aided Motion Vectors & Dlib's Markers ~ [Link](#)
- **Award :** Network's Best Performer (Q2' FY 22-23 - Reliance Jio)
- **Honour :** Jio 5G National LIM Event, Technology Spokesperson - 2022
- **Open Source Contribution :** Hyprstream - Decentralized LLM inference and training engine built in Rust ~ [Link](#)

## SKILLS

- |                          |                    |                           |                  |
|--------------------------|--------------------|---------------------------|------------------|
| • Python                 | • Machine Learning | • Artificial Intelligence | • Data Analytics |
| • Agentic AI             | • SQL              | • Gen AI / Agentic AI     | • Data Science   |
| • DataBricks / Snowflake | • LLM              | • Automation              | • Linux          |

## PROJECTS

- |                                                                    |                                                                                   |      |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|
| • <b>Publication :</b> Lip Reading with Visual Speech Recognition  | DOI <a href="https://doi.org/10.5281/zenodo.17385124">10.5281/zenodo.17385124</a> | 2021 |
| • <b>Reliance Jio :</b> 112 Location Enhancement using ML          |                                                                                   | 2024 |
| • <b>Reliance Jio :</b> Real-Time Emergency Messaging System       |                                                                                   | 2023 |
| • <b>Reliance Jio :</b> RAG based IT Helpdesk Chatbot              |                                                                                   | 2023 |
| • <b>GPT-2 LLM Fine Tuning :</b> Big Bang Theory Script Generation | <a href="#">Link</a>                                                              | 2020 |

## CERTIFICATION

- |                                                                    |                      |      |
|--------------------------------------------------------------------|----------------------|------|
| • <b>IBM :</b> Advanced Data Science Specialization                | <a href="#">Link</a> | 2020 |
| • <b>Microsoft :</b> Professional Artificial Intelligence Capstone | <a href="#">Link</a> | 2019 |
| • <b>Intel AI Academy :</b> AI from Data Centre to the Edge        | <a href="#">Link</a> | 2019 |

## EDUCATION

- **Bachelor's in Engineering, EXTC VESIT,** Mumbai University, Mumbai | 2021 - First Class