

# Shriyans Naik

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## WORK EXPERIENCE

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### Jio Platforms Ltd.

Oct 2023 – Present

*Data Scientist*

*Mumbai, MH*

- Implemented **semantic caching**, reducing average latency by **55%** and lowering LLM costs by **70%** and maintaining response consistency.
- Integrated **prompt routing**, enhancing response accuracy by **70%** and minimizing unnecessary LLM queries, improving system efficiency by **85%**.
- Engineered a **layout parser** to eliminate noise from documents, improving **RAG** tool answer quality by **40%**.
- Developed an **image-to-CSV** tool with **95%** precision for efficient data extraction from tabular images.

### Jio Platforms Ltd.

Jan 2023 – Jun 2023

*Data Science and Engineering Intern*

*Mumbai, MH*

- Improved **Optical Character Recognition** pipeline accuracy by adding post processing steps, resulting in a **15%** increase in accuracy.
- Orchestrated data transformations using **Hive Query Language**, improving query performance by **25%**.
- Streamlined **Docker** image, reducing deployment time by **50%** and reducing system resource usage by **12%**.

### Jio Platforms Ltd.

Jul 2022 – Oct 2022

*Software Engineering Intern*

*Mumbai, MH*

- Created a web portal for admins, enabling efficient querying of data for over **500** users simultaneously.
- Implemented **JWT authentication** for user authentication and role-based permission assignment.
- Strengthened security with **session management**, restricting users to a single active instance at any given time.

### Jio Platforms Ltd.

Jan 2022 – Apr 2022

*Data Analyst Intern*

*Mumbai, MH*

- Leveraged **Cosine Similarity** algorithm to personalize article recommendations based on user reading habits, leading to a **35%** increase in user retention and a **20%** improvement in click-through rates.
- Optimized prediction model through **hyperparameter tuning**, increasing accuracy by **10%** and reducing operational costs.

### Image Online Pvt. Ltd.

Nov 2021 – Jan 2022

*React-Native Developer Intern*

*Mumbai, MH*

- Created and deployed a cross-platform mobile app with React-Native, slashing development time by **90%**.

## EDUCATION

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### K. J. Somaiya Institute of Technology

May 2023

*Bachelor of Technology in Computer Science (CGPA: 9.55)*

*Mumbai, MH*

- Coursework: Algorithms and Data Structures, Applied Data Science, Big Data Analytics, Object-Oriented Programming, Natural Language Processing, Machine Learning, Artificial Intelligence

## PROJECTS

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### Student Forum | [Source](#)

- Introduced student platform for anonymous problem sharing, securing data for **300+** users via Firebase.
- Implemented real-time 1-to-1 chat via Firebase Realtime Database for interactive communication.

## MaintainX | [Source](#)

- Developed an asset management app featuring an asset failure prediction algorithm with an accuracy of **83%**.
- Engineered a skill-based matching algorithm, achieving a **20%** improvement in task completion rates.

## TECHNICAL SKILLS & PUBLICATIONS & CODING PROFILE

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- **Languages:** Python, JavaScript, SQL
- **Frameworks:** Langchain, Milvus, vLLM, FastAPI, Flask, Uptrain, Langfuse, Redis, MongoDB, Node.js, React.js, React-Native
- **Publication:** Presented and published a review paper titled 'A Study on Deploying Smart and Predictive Industry Maintenance System' at the 7th ICOEI Conference.
- **Coding Profile:** [leetcode.com/shriyansnaik/](https://leetcode.com/shriyansnaik/)