

MRINAL RAJ LAKKIMSETTY

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EDUCATION

Illinois Institute of Technology, Chicago, IL
Master of Science, Data Science

AUGUST 2023-Expected 2025

Sikkim Manipal Institute of Technology
Bachelor of Technology, Computer Science Engineering, GPA 3.2

MAY 2020

SKILLS

- **TECHNOLOGY:** Python | C | C++ | MySQL | MongoDB | Hadoop | R | AWS | Swift | Salesforce
- **OTHER:** GitHub | Microsoft Excel | Tableau | Adobe Photoshop | Adobe Lightroom | Adobe XD
- **LANGUAGES:** English

WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN

TRST01, INDIA

JAN 2023 – MAY 2023

- Designed and programmed a comprehensive platform to track and manage the production of goods across multiple projects, significantly enhancing operational efficiency for various customers.
- Implemented advanced features to facilitate seamless scheduling and monitoring of production timelines for Web 3-based applications.
- Collaborated closely with the product management and quality assurance teams to gather requirements and ensure the platform met all technical specifications and user needs.
- Conducted thorough testing and debugging of the platform, leading to a 25% reduction in production bottlenecks and a 15% increase in customer satisfaction due to improved delivery timelines.

DATA SCIENCE INTERN

SMART KNOWER, INDIA

NOV 2021 - JAN 2022

- Utilized Python and SQL to analyze large datasets, resulting in the identification of key trends and insights.
- I have collaborated with cross-functional teams to effectively translate data findings into actionable business recommendations, creating a culture that promotes data-driven decision-making. Through my efforts in this regard, I have succeeded in fostering an environment that values and leverages data insights to drive business outcomes.
- Developed and implemented a machine learning model that improved 20%, contributing to the optimization of useful data extraction methods and models.

PROJECT EXPERIENCE

BLOG PAGE WITH AN INBUILT CHATTING SYSTEM:

- Developed a blog page with an inbuilt chatting system, integrating GraphQL for data retrieval, schema creation, and model development. Utilized GraphCMS for efficient content management, enabling seamless integration of the chatting system with the blog platform.
- The use of GraphQL facilitated flexible and efficient data querying, while GraphCMS streamlined content updates and publishing. This implementation enhanced user engagement and interactivity, providing a dynamic and personalized experience for blog visitors.

JAN 2022 - APRIL 2022

ETL AND EDA ANALYSIS:

- I have experience working with EDA and ETL techniques in machine learning. These techniques help me understand data and prepare it for modeling, making sure that my models are accurate. By using different EDA and ETL techniques, I can learn valuable insights from the data that help me get better results.

MAR 2021 – DEC 2021

COMPARATIVE ANALYSIS OF MONGODB AND DYNAMODB ON CHICAGO FOOD SAFETY INSPECTION DATA:

- Evaluated the performance of both databases in terms of data retrieval, storage, and scalability, considering the specific requirements of the food safety inspection domain.
- Analyzed the impact of data modeling and schema design on the efficiency of querying and processing food safety inspection data in both MongoDB and DynamoDB.
- Assessed the suitability of each database for handling real-time data updates and complex querying patterns related to food safety inspection records.
- Presented findings and recommendations based on the comparative analysis, highlighting the strengths and limitations of MongoDB and DynamoDB in the context of Chicago food safety inspection data management.

OCT 2023 – DEC 2023

VOLUNTEER EXPERIENCE

DESIGN LEAD

MEDUSA Council, Sikkim, India

- Contributed as a proactive and innovative designer for the MEDUSA Council in Sikkim, India. Demonstrated a keen ability to create visually captivating designs in UI/UX that effectively communicated the intended message.
- Played a pivotal role in enhancing the visual identity of various events, ensuring that each design not only met the aesthetic standards but also resonated with the target audience. Leveraged exceptional design skills to make a lasting impact and help events stand out. This experience allowed me to hone my design expertise and effectively collaborate with a diverse team to achieve common goals.

NOV 2022 – JUNE 2023

MATH TUTOR

- Tailored tutoring sessions to the specific needs of each student, fostering a supportive learning environment and promoting engagement with the material.
- Employed innovative approaches to make math learning more engaging, such as integrating narratives and feedback-augmented technology to support effective learning experiences for children.

MAR 2020 – NOV 2022