

Mariyam Joory

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Education

IITDM KANCHEEPURAM, Chennai, India

2020 - 2024

- B.Tech in Computer Science
- CGPA: 7.51

LEADERS PRIVATE SCHOOL, Sharjah, UAE

2018 - 2020

- High School (CBSE)

Experience

MARIAPPS MARINE SOLUTIONS, Kochi, Kerala

May 2023 - July 2023

- **Software Developer (Intern)**: Integrated maritime vessel data using **Python** and **SQL**. Developed SQLite databases for better data management.
- Designed a predictive maintenance algorithm with the **RANSACRegressor model**, enhancing hull inspection scheduling for maritime vessels.

Research Project

Enhanced Super-Resolution via Drone-Captured Imagery

Jan 2024 - May 2024

- Conducted a comparative analysis of leading super-resolution GAN models to determine the most effective techniques for enhancing drone captured images.
- Utilized a custom dataset of complex urban and natural scenes, captured via drone, to test and refine the models under realistic conditions.
- Fine-tuned the Real-ESRGAN model to improve its capability in preserving natural textures and details, enhancing its utility for precise environmental monitoring and urban planning.

Academic Projects

Real-Time Chat Application 📄

March 2024 – March 2024

- Developed a chat application using **React** and **StreamChat** for real-time messaging capabilities.
- Enabled media sharing functionality, allowing users to share images, videos, and files seamlessly within chats, enhancing the user engagement and experience.

Interactive 3D Race Game Development

Aug 2023 – Sept 2023

- Created an engaging 3D racing game using React and **Three.js**. Focused on dynamic obstacle design and real-time graphics rendering.
- Link: <https://r3f-race-game.vercel.app/>

CS Club Website IIT-Kancheepuram

Jan 2023 – Feb 2023

- **Team Lead** for CS Club Website: Managed website development using **Svelte**, enhancing user interface and experience. Implemented dynamic content rendering and integrated advanced design features with **SASS**.
- Link: <https://csclub.netlify.app/>

Certifications

Google Cloud Computing Foundations, Google

Oct 2023

- Mastered core concepts and practical application of Google Cloud, focusing on infrastructure, big data, and machine learning.

Deep Learning Specialization, Coursera

Nov 2023

- Completed a comprehensive series of courses covering deep learning, neural networks, and machine learning best practices.

Skills And Abilities

- Proficient in **C**, **C++**, **Python**; Experienced with **MERN Stack**.
- Knowledgeable in AWS, Google Cloud, Azure
- Experienced in version control (**Git**, **SVN**)