Mariyam Joory

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Education

IIITDM KANCHEEPURAM, Chennai, India   2020 - 2024
– B.Tech in Computer Science

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 IIIT-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**)