TANUSHREE

Indian Institute of Technology, Jodhpur

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 github.com/TANUSHREE3003/tanushree3003.github.io

PROJECTS

Image Analysis and distinction between Aggregates and Adhered Mortar
ML Research Project

📅 July 2023 - February 2024

- Skills Used: Machine Learning, Image recognition, Research Methodology, Academic Reading
- Utilised Machine learning to analyse images and mark the Adhered Mortar and Aggregates
- Implemented the machine learning algorithm to make a real world application.

Institute Library Management App
Design Credit Project

📅 January 2024 - May 2024

- Skills Used: Flutter, dart, Node.js, MySQL, API, wireframing, App Dev, UI/UX. Koha
- Designing and developing a cross-platform Library Management App using Flutter and Dart.
- Collaborating with a team to ensure efficient organization and accessibility of resources. Integrating MySQL database for enhanced data management.
- Creating and utilizing APIs for seamless component communication. Conducted wireframing for UI and funtionality outline.

Stable Grasping
Robotic Arm Software Implementation Project

📅 October 2023 - December 2024

- Skills Used: Machine Learning, Analysis, Robotics, Physical World Application
- Implementation of machine learning model in robotics.
- Design algorithms for joints and hands of a robotic arm with my team. We were able to implement stable grasping.
- Defined stable grasping on three parameters position. velocity and efforts for proper and stable grasping during movements.

POSITIONS OF RESPONSIBILITY

- Dramatics Society, IIT Jodhpur-Joint Secretary (Aug 2023-April 2024) -I played a key role in organising and coordinating society events like annual theatre, workshops and inter IIT preparations.
- Society of Alumni Affairs, IIT Jodhpur-Core Member (Oct 2023-April 2024)-I interviewed many alums, hosted events and ensured proper conduction.
- Worked actively as volunteer in several college fests which includes Prometo, Ignus, Intellia, Aaftaab and many more.

EDUCATION

B.Tech in Chemical Engineering
Indian Institute of Technology Jodhpur

📅 Oct 2022 – Present   CGPA:7.87

Class XII
Lyceum International School(CBSE)

📅 March 2022   93.8%

Class X
Prabhat Tara School(CBSE)

📅 March 2020   96.6%

SKILLS

C   Python   DSA   Machine Learning
Prompt Engineering   Figma
UI/UX design   Research
COMMITMENT   COLLABORATION
COMMUNICATION   LEADERSHIP

COURSEWORK

- Data Structures and Algorithms
- Introduction to Machine Learning
- Signals and Systems
- Thermodynamics
- Fluid Mechanics
- Molecular Engineering
- Material and Energy Balance

INTERESTS

- Research studies related to chemical domain.
- Machine Learning Projects
- Academic Reading
- Dramatics
- Literature

ACHIEVEMENTS

- Geek for Geeks POTD 300+ days streak
- Inter IIT Cult 6.0-8th Position, Theatre Arts
- District Level Wushu Silver Medal