



Shreekar Vijaykumar Mane

Roll No.:B23CS1069

Bachelor of Technology (B.Tech)

Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Indian Institute of Technology, Jodhpur	8.6 (current)	2023-present
Senior Secondary	HSC(Maharashtra) Board	77.0%	2023
Secondary	HSC(Maharashtra) Board	87.0%	2021

ACHIEVEMENTS

- **JEE Mains** : Secured AIR 1990 (99.83 percentile) 2023
- **JEE Advanced** : Secured AIR 2130, Physics score : 96 2023

KEY PROJECTS

- **Video Analysis (Crack detection)** Dec. 2024
Design Credit course Project
[Github](#)
 - **Tools & technologies used:** Python, Deep learning, Yolov11 model, openCV
 - Developed ML model that can draw bounding box around Cracks in wall with mAP50-95 around 0.5608, more information and demo video will be available in github readme file.
- **PathFinder** Nov. 2024
DSA course Project
[Github](#)
 - **Tools & technologies used:** C++, DSA, Javascript, Docker
 - Developed an optimal pathfinding system as part of a DSA project, implementing a shortest-path algorithm in C++ and creating a web application for real-time visualization.
- **Self driving model** Apr. 2024
Self-learning project in ML/DL
[Github](#)
 - **Tools & technologies used:** Python, Tensorflow, Alexnet CNN model, Direct Keyboard Inputs, ML/DL
 - Implemented a machine learning project using TensorFlow to create an autonomous system that controls keyboard inputs for driving cars in Grand Theft Auto V (GTAV) with Average Precision about 53%. I implemented alexnet CNN network for this project .
- **Road Safety model** Apr. 2024
Engineering Design course project
[Github](#)
 - **Tools & technologies used:** Python, RaspberryPiPico, microPython, Yolov7, PyTorch
 - About 14% Road accidents are caused due to blind spots. To dead this problem we Used YOLOV7 pretrained model, that will detect car and turn on Alert Signal with 96% Accuracy.
- **ATM machine** Dec. 2023
Introduction to computer science course project
[Github](#)
 - **Tools & technologies used:** C, File handling
 - Created an ATM security and transaction history application in C as part of an introductory computer course project

KEY COURSES TAKEN

- **Introduction to CS** (10/10)
- **Data Structure and Algorithms** (9/10)
- **Pattern Recognition and Machine Learning** in progress
- **Software Engineering** in progress

TECHNICAL SKILLS

- **Programming:** C, C++, Python, JavaScript
- **Tools & OS:** Git, Linux, Windows, Yolo, Solidworks, Digital Audio Workstation, pwndbg
- **Libraries/Frameworks:** PyTorch, Tensorflow, Pandas, Numpy, scikit-learn, Docker, OpenCV)
- **Web Skills:** HTML/CSS/JS, Flask

POSITION OF RESPONSIBILITY

- **Design Team/Core member** in Sangam (Music Society), IIT Jodhpur Present

CO-CURRICULAR ACTIVITIES

- **Band Performances** I am a flautist in our music society and I have done many stage performances and competitions including InterIITs. During this I had the opportunity to work with musically skilled peoples.
- **Digital Audio Workstation** I have done music projects on FL studio (DAW). And have knowledge to mix music tracks, Equilize music tracks and add effects to their waveforms.