



# Shreekar Vijaykumar Mane

Roll No.:B23CS1069

Bachelor of Technology (B.Tech)

Computer Science and Engineering

Indian Institute Of Technology, Jodhpur

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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

## 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, 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). 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
  - Used YOLOV7 pretrained model, that will detect car and turn on Alert Signal.
- **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

- Data Structure, Algorithms, Pattern Recognition and Machine Learning, Software Engineering

## 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

## POSITIONS OF RESPONSIBILITY

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

## ACHIEVEMENTS

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