Shreekar Vijaykumar Mane

B.Tech — Computer Science and Engineering — IIT Jodhpur

✉ shreekar1069@gmail.com   ✉ b23cs1069@iitj.ac.in   ☎ +91 9503772556

in linkedin.com/in/shreekar1069   ⌂ github.com/shreekar2005   🌐 shreekar2005.github.io/about_me

Education

Indian Institute of Technology, Jodhpur   **Expected Graduation: 2027**
B.Tech in Computer Science and Engineering   *CGPA: 8.6/10*
Jodhpur, Rajasthan

Maharashtra HSC Board   **2023**
Class 12 with PCM   *Percentage: 77.3%*
Pune, Maharashtra

Maharashtra SSC Board   **2021**
Class 10   *Percentage: 88.0%*
Karad, Maharashtra

Achievements

- **JEE Mains:** Secured AIR 1990 (**99.83 percentile**) among 12,00,000+ students (2023).
- **JEE Advanced:** Secured **AIR 2130** among 1,80,000+ JEE Mains qualified students (2023).
- **PhysicsBrawl:** Secured **22nd place** in international competition by Charles University (2022).

Projects

Video Analysis   *December 2024*
Design Credit Course Project   **[GitHub]**
Tools: Python, Deep Learning, YOLOv11, OpenCV
- Developed ML model to detect wall cracks with mAP50-95 of 0.5608.
- Optimized dataset preprocessing, reducing training time by 25%.

PathFinder   *November 2024*
DSA Course Project   **[GitHub]**
Tools: C++, DSA, JavaScript, Docker
- Created an optimal pathfinding system using an optimized Dijkstra's algorithm.
- Created a pathfinding simulation in a graph using the A* algorithm for efficient shortest-path computation.

Self-Driving Model   *April 2024*
Self-Learning Project in ML/DL   **[GitHub]**
Tools: Python, TensorFlow, AlexNet CNN
- Developed an autonomous keyboard control system for GTA V with 53% precision.
- Processed over 100,000 frames for training, improving model accuracy by 15%.

Road Safety Model   *April 2024*
Engineering Design Course Project   **[GitHub]**
Tools: Python, Raspberry Pi Pico, microPython, YOLOv7, PyTorch
- Designed a system detecting vehicles and triggering alerts with 99% accuracy.
- Deployed real-time testing on roads, validating system efficiency.

Technical Skills

- **Programming:** C, C++, Python, JavaScript.
- **Tools & OS:** Git, Linux, Windows, YOLO, SolidWorks, AWS.
- **Libraries:** PyTorch, TensorFlow, Pandas, NumPy, scikit-learn, Docker, OpenCV.
- **Web Development:** HTML, CSS, JavaScript, Flask, React.

Position of Responsibility

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

Co-Curricular Activities

- **Band Performances:** Delivered 15+ flute performances, including InterIITs.
- **Music Production:** Created and produced tracks using FL Studio with advanced techniques.