

ISHKUMAR SAVALIYA

Ankleshwar, Gujarat

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Education

Indian Institute of Information Technology, Pune

2025

B.Tech CSE with honors in ML

CGPA: 8.3

Advait Vidyaniketan, Bharuch

2021

Gujarat Higher Secondary Board, Gujarat

Percentage: 96.3

Experience

VisualThree60 | *Machine Learning Intern*

April 2024 - May 2024

Real-time customer insights AI platform.

- Designed real-time customer analytics system using deep learning for customer info (age, gender, emotion, race) with skillset of (**Multi-camera handling, OpenCV, YOLOv8, DeepFace, MySQL, AWS**).
- Enhanced the features of existing product and **optimizing** the algorithm simultaneously.

Projects

Jobs Gateway API | *MERN Stack, Security Middleware, Socket.io*



- Created a website where users can easily post jobs, search for jobs, and apply to them using technologies like **Node.js** and **Express.js** and **MongoDB** database.
- Implemented secure user login and **authorization** features, allowing only authorized users to access specific parts of the website along with implementing error handling and validation techniques.

Integrated Motion Analysis | *Flask, CNNs, LSTM, OpenCV*



- Developed system focusing on small crowd motion observation, utilizing **cv2** for video preprocessing.
- Optimized an **LRCM Architecture**(LSTM and CNN layers) to predict activities from video frames with high accuracy rate.
- Integrated pretrained ML model into **Flask** via h5 file, enabling a user-friendly interface for video input and result display with **confidence scores** and decryption.

ShopEase | *MERN Stack, ElasticSearch, OAuth, Stripe*



- Built an online purchasing platform using the **MERN stack** (MongoDB, Express.js, React.js, Node.js), with Vanilla CSS for styling.
- Implemented secure user **authentication** and authorization features, ensuring controlled access to sensitive areas.
- Utilized MongoDB for efficient data management, ensuring optimal performance under high user traffic.

Skills

Languages: C++, C, Python, Java, SQL, JavaScript, Solidity

Developer Tools: Git, VS Code, Spyder, AWS, Docker

Frameworks: Node JS, Express JS, React JS, jQuery, MongoDB, TensorFlow, Scikit Learn, Keras, PyTorch, Flask

Architectural Skills: Clean Architecture

Soft Skills: Teamwork, Creative Thinking, Verbal Communication

Academic Courses

Machine Learning, Artificial Intelligence, Blockchain, Discrete Mathematics, Probability and Statistics, Compiler Design, Data Structure and Algorithms, DBMS, Operating Systems, OOPs, Computer Networks

Achievements

- Secured 98.38 (10 lakh+ participants) percentile in **Jee Mains** and Qualified **Jee Advanced**
- Knight on **Leetcode** with highest rating of **1878** and **600+** solved questions.
- Honors** in Machine Learning.
- 1668** Highest Rating and **3-star** at **CodeChef**.
- Max Rating **1235** and Pupil at **Codeforces**.

Positions of Responsibility

Event Content Lead, Eloquence-IIITP (an inter-college discussion forum)

Core Member, Eclectic-Literary Club of IIIT Pune

Core Member, QRioCity-Quiz Society of IIIT Pune