Shaik Afnan

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SKILLS

- AI / ML: Machine Learning, Deep Learning, Python, EDA.
- Languages: Java, Python, Arduino, Spring, MySQL.
- Python Packages and Frameworks: Scikit-Learn, NumPy, Pandas, Matplotlib, Keras.
- Web Tech: Java, MERN full stack JavaScript, MongoDB, RESTful API, Cloud Computing (AWS).

PROJECTS

OFFLINE-HUB (Offline Web App) - HTML, CSS, JavaScript, JSON, React   Link

- Developed a robust offline web application in VS Code using HTML, CSS, JavaScript, JSON, and React. Integrated multiple utilities (Translator, Unit Converter, Budget Tracker, Color Converter, QR Code Generator) and games (Sudoku, UNO, Snake, Hangman), all accessible without internet.

Weather Detection and Analysis - Spring, React, JavaScript, Tailwind CSS, Weka ML   Link

- Engineered a Spring Boot application in Eclipse to collect real-time weather data through APIs and process it with Weka ML models. Enabled accurate predictions of natural disasters like floods and hurricanes. Exposed data as RESTful APIs and visualized results for actionable insights. Focused on reliability and accuracy for better decision-making.

Face Recognition & Emotion Detection - OpenCV, MTCNN, DeepFace, TensorFlow   Link

- Created a real-time system using Python, combining MTCNN for face detection, Facenet for face recognition, and DeepFace for emotion classification (happy, sad, angry, etc.). Handled multiple faces per frame, prevented duplicate detections, and provided real-time feedback via webcam. Leveraged deep learning and computer vision techniques to deliver reliable performance.

Smart Shopping Cart [Python, RFID, IoT, OpenCV, Arduino, Sensors]   Link

- Designed an AI-powered smart shopping cart in Python, integrating RFID technology, computer vision with OpenCV, IoT sensors, and Arduino microcontrollers. Enabled automated product detection, billing, and real-time weight verification to enhance retail checkout efficiency and minimize errors.

EDUCATION

2025 - present	3rd Year CSE Student at **MVJ COLLEGE OF ENGINNERING**	(CGPA: 9.1/10)
2018 - 2020	Class 12th at **SDC IND PU COLLEGE- BANGARPET**	(Grade: 94.66/100)
2015 - 2017	Class 10th at **THE JAIN INTL SCHOOL- BANGARPET**	(Grade : 74.87/100)

CERTIFICATIONS

- Java Certification (95.0%), IIT Bombay Spoken Tutorials   View Certificate
- Introduction to Cloud, IBM Developer Skills Network   View Certificate
- Programming in Java (81.50%), NPTEL Certification 12 weeks   View Certificate
- HTML Certification (82.50%), IIT Bombay Spoken Tutorials   View Certificate
- Prompt Engineering for Everyone, IBM Developer Skills Network   View Certificate