

# Shaik Afnan

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## SKILLS

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- 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

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### OFFLINE-HUB (No net, Offline-magic)

[Link](#)

- Developed a multi-functional web application, OfflineHub, using HTML, CSS, JavaScript, and JSON , AI Tools in VS Code to provide offline-accessible utilities and games. Designed a user-friendly interface with two primary sections: Utilities (Translator, Unit Converter, Budget Tracker, etc.) and Games (Sudoku, Uno, Snake Game, Hangman, etc.).

### Weather Detection Analysis [SPRING-ML-JAVA]

[Link](#)

- Developed a Spring Boot application in Eclipse for weather detection and analysis, integrating machine learning (Weka) for predictive insights on natural disasters like floods and hurricanes. Collected real-time weather and environmental data via APIs and processed it through RESTful services for accurate analysis.

### AI-Based Image Modification

[Link](#)

- Developed an AI-driven image colorization system using Python, leveraging OpenCV, NumPy, and deep learning frameworks (TensorFlow/PyTorch, FastAI) to transform grayscale images into vibrant color images. Trained a deep learning model on large-scale datasets to learn color mapping and enhance image realism.

### Smart Shopping Cart: IoT-Python-RFID-Computer Vision

[Link](#)

- Developed an AI-powered Smart Shopping Cart using Python, integrating RFID technology, computer vision, and IoT to enhance the retail shopping experience. Implemented automated product detection and billing, reducing manual checkout time and improving efficiency.

## EDUCATION

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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

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- 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](#)