

SHARUK SHAIK

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EDUCATION

Kalasalingam Academy of Research and Education

BTech(AI/ML) - CGPA - 8.0

10 2021 – 05 2025

Krishnankoil, Tamilnadu

Narayana group of educational institutions

Intermediate - Percentage - 80%

06 2019 – 03 2021

vijayawada, Andhrapradesh

AP Model School

Matriculation - GPA - 9.5

06 2018 – 04 2019

Veerepalli, Andhrapradesh

COURSEWORK / SKILLS

- | | | | |
|--------------------------------|------------------------------------|---------------------------------------|------------------------------|
| • Data Structures & Algorithms | • Machine Learning & Deep Learning | • Database Systems & Data Persistence | Principles & Version Control |
| • Web Development | • Computer Vision | • Software Engineering | |

TECHNICAL SKILLS

- **Languages & Web:** Python, JavaScript (ES6+), HTML5, CSS3
- **Frameworks/Libraries:** React.js, Flask, TensorFlow.js, OpenCV, Langchain, FastAPI, LLM
- **Tools:** Git & GitHub, npm, VS Code, Chrome DevTools
- **Databases:** SQL basics, Local Storage, Pinecone, ChromaDB
- **Practices:** RESTful APIs, basic Agile workflow

PROJECTS

Users Cart-Based Nutritious Recipe Recommendation System

- **Technologies:** React.js, JavaScript (ES6+), HTML5, CSS3, TensorFlow.js
- Analyzes shopping cart items in real time to suggest personalized, healthy recipes.
- Frontend built with **React.js & JavaScript (ES6+), HTML5, CSS3**; uses **React Hooks** and **Context API** for responsive UI and global state management.
- ML integration using **TensorFlow.js** neural network to recognize ingredient patterns and predict optimal recipes.
- Performance optimizations: lazy loading, memoization, and efficient data structures ensure sub-second recommendation updates.

Attendance System Using Face Recognition

- **Technologies:** Python, OpenCV, TensorFlow/Keras, Flask
- Real-time attendance system detecting and recognizing faces via deep learning and computer vision.
- Vision pipeline in **Python** with **OpenCV**: captures video frames and applies CNN-based face detection.
- Face recognition leveraging **TensorFlow/Keras** embeddings for accurate identification under varied lighting and angles.
- Admin interface built with **Flask** for enrollment, live monitoring, and report export.

Hobbies

- Playing Badminton
- Solving Puzzles

CERTIFICATIONS

- Azure SQL Fundamentals (Microsoft)
- Communication Skills (TCS ION)