KHOOSHI POPAT

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EDUCATION

IIIT Hyderabad — 08/2024 – 06/2026
CSE-M.tech - **CGPA** - 8.95 — *Hyderabad, India*

Gujarat Technological University — 07/2019 – 05/2023
IT-B.E. **CPI** - **8.95** — *Rajkot, India*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- Database Management System (DBMS)
- Artificial Intelligence
- Android Development
- Web Development
- Software Engineering

PROJECTS

Music Recommendation System Based on Facial Expression — 04/2023

- Developed an automatic music recommendation system based on real-time facial emotion detection.
- Facilitated automatic playlist generation by analyzing users' current emotions, providing a personalized music experience.
- **Technology Stack used:**
  1. Machine Learning Framework: Convolutional Neural Network (CNN)
  2. Programming Language: Python
  3. User Interface: Tkinter
  4. Dataset: FER2013
  5. Camera: Inbuilt camera for facial expression capture

Proper utilization of solar resources- Design Engineering project — 10/2021

- Designed a prototype utilizing IoT technology to optimize solar panel orientation by sensing sun rays, thereby maximizing sunlight capture.
- Implemented a system that enables solar panels to rotate in the direction of the sun, enhancing solar energy efficiency.
- Project Certificate

CORONA Tracing Application — 01/2023

- This application tracks the COVID 19 cases nationwide and helps people know the risk around there place. It gives the report and analysis of cases state wise and in time range also in a very simple statistical method which is very user friendly.
- **Technology Stack used:** Kotlin, Koin, MVVM Architecture, AndroidX, Kotlin Coroutines, Retrofit 2, Moshi JSON Parser, Android Architecture Component.

INTERNSHIP

Solar Secure Solution ⬈ — 06/2022 – 07/2022
Full Stack Web Developer — *Rajkot, India*

- Acquired skills in HTML, JavaScript, and CSS through a 2-week summer internship, successfully creating a functional and responsive website.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, SQL,
Developer Tools: VS Code, Android Studio.
Technologies/Frameworks: Linux, GitHub, Git.

CERTIFICATIONS

- **Productivity with Generative AI**-LinkedIn Learning
- **Advance Excel** - Internshala
- **Entrepreneurship Foundations**-LinkedIn Learning
- **Chalk and Talk**- Inter college Elocution
- **Encrypted Minds**-Technical Problem solving