Manan Shah

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EDUCATION

• **Charotar University of Science of Technology,** Gujarat, India   **CGPA:9.30**
BTech (Computer Science and Engineering), 2022
Coursework: Data Structure, Design, and Analysis of Algorithms, Operating System, DBMS

• **Prince Ashokraje Gaekwad School,** Gujarat, India   **PER:81.8**
Higher Secondary Education, CBSE (XII), 2021

• **Prince Ashokraje Gaekwad School,** Gujarat, India   **PER:86.8**
Secondary Education, CBSE (X), 2019

WORK EXPERIENCE

• **Android Developer Intern, K. C. Chimanlal & Co.**   **MAY-JUNE, 2023**

- Developed Android app using Kotlin, XML, Material3 and Firebase replicating company website.
- Implemented secure login/signup via Firebase Authentication.
- Integrated Firebase Cloud Storage for user resume storage and retrieval.
- Implemented Firebase Realtime Database to record applicant information.
- Designed user-friendly UI/UX for login, signup, and resume management.
- Collaborated effectively and wrote clean, maintainable code.

PROJECTS

• **Quizify (Smart Assessment System)| HTML, CSS, JavaScript, MySQL, PHP**

- Developed a mobile learning platform ("Quizify") for students to practice with self-guided quizzes.
- Designed a interactive user interface with HTML, CSS and JavaScript.
- Enabled teachers to create and assign customized quizzes to their students.
- Integrated a robust question bank with CRUD functionalities for managing diverse knowledge assessment.
- Facilitated efficient test administration with real-time student performance tracking.
- Implemented Backend features using PHP and MySQL.
- Employed a secure platform ensuring data privacy and preventing unauthorized access.

• **Transcription Service Platform| Python, OpenAI API , Transformers(Hugging Face), Streamlit**

- Developed a multi-functional information extraction and summarization application.
- Implemented speech-to-text conversion using Python for efficient audio processing.
- Integrated YouTube video summarization, extracting key points from video content using Transformers Model (Hugging Face).
- Designed a text summarizer using Transformers Model (Hugging Face) to condense lengthy documents into concise takeaways.
- Generated YouTube transcripts using OpenAI API, converting video audio into readable text format.
- Built a user-friendly interface with Streamlit for seamless interaction with features.

- **Face Recognition System | Python, ML(KNN), OpenCV, EEL Library(Python)**

- Implemented the K-Nearest Neighbor (K-NN) classification algorithm for face recognition.
- Utilized OpenCV and HaarCascades Classifier for precise frontal face detection under 900 milliseconds.
- Achieved an error rate below 7% on a self-developed local dataset.

TECHNICAL SKILLS

- Languages: C/C++(Proficient), Java, Python, Javascript
- Full Stack Development : HTML, CSS, Javascript, React, PHP
- Database: MySQL, Firebase
- Data Science:, NLP, Standard Ml Algorithms(Regression, Classification, Clustering)
- Data Analysis: Numpy, Pandas, Matplotlib
- Developer Tools: IntelliJ, VS Code, Git, Eclipse

HOBBIES

- Traveling
- Playing Chess
- Playing Cricket
- Watching Cinema
- Watching Sports

ACHIEVEMENTS

- **Solved 180+ problems** on GFG Practice, Codestudio, Leetcode, Hackerrank, Codechef combined.
- **NPTEL Certified in** Design and Analysis of Algorithms
- **NPTEL Certified in** Programming, Data Structures and Algorithms using Python