



Faizan Khan

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SUMMARY

Dedicated Computer Science Engineering graduate with a strong foundation in computer science principles and a passion for emerging technologies. Committed to continuous learning and adaptability, with ambition to make a meaningful impact in the field.

EXPERIENCE

BEL- Bharat Electronics Limited | Internship

August 2023 - September 2023

Developed an NMS Topology System, a powerful tool for creating various types of topology diagrams, catering to diverse network management needs. It offers a user-friendly interface for designing and customizing diagrams.

Technology Used:

Frontend: React JS

Database: NoSQL Database like MongoDB

Roles and Responsibilities:

- Developed a user-friendly UI for customizing topology diagrams
- Built reusable UI components using React and managed state changes
- Optimized UI performance and ensured scalability

PHN Technologies | Internship

April 2023 - June 2023

Developed an online shopping app website that utilizes various client-side tools to provide a seamless and engaging user experience. The website features a responsive design, intuitive navigation, and robust search functionality, allowing users to easily find and purchase products.

Technology Used:

Frontend: ReactJS, Tailwind CSS

Backend: API integration for data storage and retrieval (Node.js)

Roles and Responsibilities:

- Implemented robust search functionality and filtering options
- Ensured seamless navigation and checkout process
- Implemented security measures to protect user data

PROJECTS

Fire Detection and Precision Sprinkler System

December 2023 - March 2024

The Real-Time Fire Detection and Precision Sprinkler System is a cutting-edge solution that utilizes advanced technologies to detect fires instantly and extinguish them effectively. The system comprises sensors, cameras, and sprinklers that work in tandem to identify potential fire hazards, alert authorities, and deploy targeted water spray patterns to suppress fires.

Technology Used:

Python, Flask, OpenCV

Roles and Responsibilities:

- Developed algorithm for real-time fire detection using computer vision
- Implemented precision control system for targeted sprinkler activation
- Created alert system for notifying authorities and building occupants

Emotion Based Music Player

March 2023 - May 2023

This web page utilizes AI-powered facial recognition technology to detect the user's emotional state and instantly plays music tailored to their mood. The user simply accesses the webpage, grants camera permissions, and a facial scan detects their emotions.

Technology Used:

Python, OpenCV, Facial Recognition AI (FaceAPI)

Roles and Responsibilities:

- Integrated facial recognition AI to detect user emotions
- Developed algorithm for matching detected emotions to appropriate music
- Implemented real-time emotion detection and music playback

SKILLS

Frontend: REACT, FLUTTER, Swift, HTML, CSS, JS, OpenGL.

Databases: SQL, MongoDB, Google Firebase.

Programming: JAVA, Python, PHP, C, C++

Frameworks: NodeJS

Other: Game Development (Unity), Web Development

EDUCATION

B.E. in Computer Science Engineering

Sep 2020 - Aug 2024

HKBK College Of Engineering, Bengaluru

- Aggregate: 8.4 GPA

Secondary Education (PCMC)

Completed - June 2020

Sri Chaitanya PU College, Bengaluru

- Aggregate: 76.3%

ICSE - Class X

Completed - May 2018

Florence Public School, Bengaluru

- Aggregate: 81.5%

CERTIFICATIONS

- SQL Essentials from SoloLearn
- Theoretical Understanding of C# from SoloLearn
- The Web Developer BootCamp from Udemy
- REST API using Spring from InfySpringboard
- Natural Language Processing in Python from InfySpringBoard

PERSONAL INFORMATION

Name : Faizan Khan

Date of birth: 06/11/2002

Gender: Male

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