DIPSI HADIYA

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OBJECTIVE

To work in a challenging environment with an opportunity to use my skills, to enrich my knowledge and to gain experience, which will in turn provide satisfaction and self-development. To utilize my leadership skills to help drive growth, empathy, and vision in an established company.

EDUCATION

Bachelor of Technology in Electrical Engineering   2022 - Present
Sardar Vallabhbhai National Institute of Technology, Surat. CGPA : 8.20

GSHSEB, Class XII   2021
K.K.M.S. Government Higher Secondary Girls School, Kutchh - Gujarat, 79%

GSEB, Class X   2019
K.K.M.S. Government Higher Secondary Girls School, Kutchh - Gujarat, 78.87%

PROJECTS

MYFASHION   **Ongoing**
Created this MERN Stack website during MYNTRA hackerramp 2024, which is a team hackathon for developers. I handled front end development using React framework
Key Features: (Search, Review, Rating, Favourites, Cartlist, Payment)

CAFESHOP   **Ongoing**
This Ongoing team based project involves creating a responsive website using HTML, CSS, Javascript where users can able to purchase coffee and related items nearby coffee shop including payment feature.

UNDERWATER SURVEILLANCE ROBOT   **Ongoing**
Currently working on an underwater robot to inspect underwater structures, surveillance, search and rescue operations, collect underwater data, and explore marine life.
Key Features: (Explore, Object detection, Pick and Place mechanism, Image processing)

HULL CLEANING   **Ongoing**
Currently working on an underwater hull-cleaning robot that can clean the hull of the ship using an electromagnetic adhesion mechanism.

AUTONOUMOUS OBSTACLE AVOIDANCE BOT   **2023**
Made an autonomous as well as teleoperated obstacle avoidance robot using Arduino microcontroller by implementing PID controller algorithm and Go-to-Goal mechanism through ROS, while detecting the objects using ultrasonic sensors.

WEB GUI   **2024**
I am working on a web graphical user interface for our underwater robot that can communicate with our robot to perform tasks autonomously using backend development.
Key Features : Communication, Sensor's data, Live streaming

HEALTHCARE DASHBOARD   **2024**
This project involved creating a data visualization dashboard to analyze, Patient Readmission Rates, Hospital Resource Utilization, Financial Performance using Power BI and SQL.

LINE FOLLOWER BOT   **2023**
Made a two-wheeler basic drive bot that follows the line by sensing the color of the line using IR sensors, Motor driver and Arduino UNO.

TECHNICAL SKILLS

Languages : C, C++, Python, HTML, CSS, Javascript
CS Fundamentals : DSA, OS, DBMS, CN
Web development and Database : React.jS, MongoDB, Firebase, Next.js
Tools : Canva, Figma, Github
Others : ROS, OpenCV, Unix/Linux, MS Excel, Power BI, MATLAB
Soft Skills : Problem solving, Communication, Teamwork, Leadership, Active learning, Mentorship

POSITION OF RESPONSIBILITY

Co-Head at Finance and Documentation Committee   2024-Present
MINDBEND - A techno-manegerial fest, Student Chapter, NIT Surat.

Executive   2023-Present
ACM - Association for computing and Machinary, NIT Surat.

Mentor   2023-Present
DRISHTI - A revolutionary concept, NIT Surat.

DRISHTI-Website Manager   2024-Present
DRISHTI - A revolutionary concept, NIT Surat.

Executive   2023-Present
AKRITI - Art and designing, Student Chapter, NIT Surat.

ACHIEVEMENTS

Winner at GUJCOST Robofest 4.0 Stage 1
Participated in HACKON With AMAZON 2024
Winner at 1st Stage in a Hackerramp by MYNTRA 2024
Top 3 at State level Speech Competition by KALAMAHAKUMBH 2019
Winner in Art competition by KALAMAHAKUMBH 2022 across Gujarat state

CERTIFICATIONS

Ambassador: Microsoft flutter development.
Participation: HACKON with AMAZON

INTERESTS

Anchoring
Proficent in Cooking
Master in Poster designer
Proficient in CANVA
Master in traditional art, painting, designing