PATHAN FIZA FAIYAZ KHAN
B.Tech. - Computer Science & Engineering

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CAREER OBJECTIVE

As a B.Tech Computer Science and Engineering student , I am eager to contribute to cutting-edge projects in a dynamic organization while continuously enhancing my technical Knowledge and problem-solving abilities to grow and to build innovative solutions. I am committed to continuous learning, contribute effectively to the growth of the company, and delivering impactful solutions that address real-world challenges while advancing my career in a collaborative and growth-oriented environment.

KEY EXPERTISE

Data Science   Data Engineering   Machine Learning   Data Analysis   Data Visualization   Mysql   Reactjs
Web Development   Next js   ionic   Active Learning   PHP   Figma

EDUCATION

Navrachana University
2022 - 2026
B.Tech. - Computer Science & Engineering | CGPA: **8.44 / 10**

The Maharaja Sayajirao University of Baroda
2023
Diploma | Diploma - Diploma in Information Technology | MSU | Percentage: **83.20 / 100**

Sabari Vidyalaya
2020
10th | GSEB | Percentage: **86 / 100**

AWARDS AND SCHOLARSHIPS

- Best Student Award For Year 2019-2020 at Lulla Classes for Best Performance in 10 Boards.
- Awarded DSW Scholarship of Tution-Fee-Waivering of 90% from 2020 to 2023 at Polytechnic, MSU
- Given Scholarship of 40% every year from 2023 to 2026 at Navrachana University from MYSY Government Scholarship

PROJECTS

BPT-Bitcoin Price Tracker
08 Jun, 2025 - 08 Jul, 2025
Mentor: Professor Dhaval Mehta | **Team Size:** 1

Key Skills: ionic   React.js   NodeJS   mysql   light-dark mode

Bitcoin Price Tracker Web-Application, a real-time Monitoring and Analysis application design to track latest bitcoin prices across multiple currencies like USD,EUR,INR and more. Displays Live price updates for Selected Countries , compares Historical data like This Week Vs Last Week and Current trends displayed using graphs from CoinGecko's API. A feature Bitcoin to Currency Converted is added

Switch-Case User-Defined Compiler
12 Apr, 2025 - 12 May, 2025
Mentor: Professor Vaibhavi Patel | **Team Size:** 1

Key Skills: Compiler Design   flex   Bison   C

Project Link: https://github.com/Navrachana-University/22000986

Project named as Switch-Case User-Defined is a simple programming language designed to demonstrate a custom conditional construct called choose in place of switch using Flex and Bison. The choose in place of Switch statement evaluates a variable and executes a block of code associated with a matching option(Case) value. If no option matches, a nomatch block is executed. The language supports basic arithmetic expressions (e.g., addition), variable assignments, and a fiza keyword for break to terminate option blocks. This project includes a lexer and parser that generate three-address code (TAC) from LoopLang input.

Multiple Data Science Projects
20 Jan, 2025 - 10 Apr, 2025
Mentor: Professor Swati Rai | **Team Size:** 1

Key Skills: Big Data Analytics   Data Analysis   Data Visualization   Machine Learning

Netflix , Ecommerce(Amazon) and CyberSecurity Threats mentioned in Dark Web Forums data analysis and Visualization

Mental Health Support Tool with Gen-AI and LangChain: A Personalized Approach to Psychological Well-being
20 Jan, 2025 - 10 Apr, 2025

Mentor: Professor Jaideep Raulji | **Team Size:** 1

Key Skills: llm   AI   Data Collection   Groq Cloud   Chatbot   Api

Mainly Focuses on Data Collection using Research Paper named as Defining mental health and mental illness Sharon Leighton and Nisha Dogra.
Preprocessing and Knowledge Base Formation , GroqCloud API Integration for Llama Model, and Personalized Gen-AI Response Generation
Personalized responses are generated through MiniLM model.

AI Supplier Search Agent
10 Mar, 2025 - 30 Mar, 2025
Team Size: 4

Key Skills: AI   Web Scraping   Web API   gradio   Web Development

Search suppliers across industrial directories and fetches information like Company Name, Website, Country,Manufacturing Processes,Certification, industry, Email, Phone, Reference. Use 'All Sources' to combine results from all sites like Google, MFG.com, Alibaba, IndiaMART, TradeIndia, ThomasNet, Xometry and also used SERPAPI -tool that Web-scrapes and retrieves data from search engine results pages.

Smart Water Tank
18 Jan, 2024 - 23 Dec, 2024
Mentor: Professor Ashish jani and Professor Pravinkumar Prajapati | **Team Size:** 3

Key Skills: IOT   Sensors

IOT project which gives alert by beeping buzzer and red light turns on (when water is close to ultrasonic sensor) when water tank is full automatically turns off the motor

Hotel Booking Management System
21 Aug, 2023 - 10 Dec, 2023
Mentor: Professor ujwala Petigara | **Team Size:** 1

Key Skills: PHP   mysql   Bootstrap   html   css   javascript

The Hotel Booking Management System is a simple web application using PHP MySQL database, JavaScript, HTML, CSS, Bootstrap, the system it contain of admin that monitor the booking from the customer, the admin can create user but limited access, the main purpose the system is to monitor the customer booking, the user also can manage the system like approved booking, update status, edit, delete, and etc.

online voting system
20 Jun, 2022 - 10 Apr, 2023
Mentor: Professor Jayram patel | **Team Size:** 1

Key Skills: Web Development   PHP   MySQL   HTML5   CSS   Javascript

online voting system- where maharaja sayajirao university students and student parties registration/login and vote for their desired Student parties of MSU like ABVP, VVP etc

Fit Finder-virtual wardrobe
Mentor: Professor Swati Rai | **Team Size:** 4

Key Skills: frontend development   App Development   Flutteflow

Fit Finder-virtual wardrobe-an application that takes image of clothes from wardrobe, classifies it and suggests best suited outfit for an individual, got about 90% accuracy in traditional clothes, have done Frontend Development throughout the project.

PUBLICATIONS / RESEARCH / WHITE PAPERS

SMALL LANGUAGE MODELS IN THE ERA OF LLM: SURVEY, Types, SLM over LLM, AND INSIGHTS
Review Article | **Mentor:** Professor Dhaval Mehta | **No. of Authors:** 3

Mental Health Support Tool with Gen-AI and LangChain: A Personalized Approach to Psychological Well-being
Review Article | **Mentor:** Professor Jaideep Raulji | **No. of Authors:** 2

ACHIEVEMENTS

- Was in Top 5 Ranked Students at The Maharaja Sayajirao University of Baroda, Polytechnic, Diploma in Information Technology
- Was Given Best Student Award for Year 2019-2020 During 10th Boards from Sabari Vidyalaya

ASSESSMENTS / CERTIFICATIONS

AWS Academy Cloud Foundations

Langchain Chat with your data

Generative AI
course by world's largest women-only Gen AI event supported by SAWiT and FICCI FLO

Introduction to CryptoGraphy for Beginners

AWS Academy Machine Learning Foundations

Key Skills: Machine Learning

AWS Academy Machine Learning for Natural Language Processing

Key Skills: Natural Language Processing

AWS Academy Data Engineering

Key Skills: Data Analysis   Big Data Analytics   Data Visualization

SEMINARS / TRAININGS / WORKSHOPS

Prompt Engineering Workshop **Institute Name:** Navrachana University   12 Feb, 2025 - 12 Feb, 2025

Ethical Hacking   12 Mar, 2023 - 20 Mar, 2023
Institute Name: The Maharaja Sayajirao University of Baroda Polytechnic
knew about many things like Web3, tor etc

CO-CURRICULAR ACTIVITIES

- Participated at NITI Aayog- Shoonya- Zero Pollution Mobility Campaign in India
- Participated at Gujarat Gyan Guru Quiz(G3Q) till round 10 and given Free Robotics kit and a trip to Science City.

EXTRA CURRICULAR ACTIVITIES

- Art and Painting
- Creative Writing

PERSONAL INTERESTS / HOBBIES

- Cooking
- Badminton
- Drawing

PERSONAL DETAILS

Gender: Female
Marital Status: Single
Current Address: E-402, Abvaa Avenue, Sunpharma Road, Tandalja, Vadodara, Vadodara, Gujarat, India
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Date of Birth: 31 May, 2004
Known Languages: Hindi, English, Gujarati
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REFERENCES

- **Pathan Faiyazkhan**
  (Digitalization Officer, Siemens)
  (+91-9998656160)
- **Arab Yunus**
  (Senior Cloud Engineer, Atos)
- **Pathan Massarat**
  (Senior Counselling Manager, E-Visa)