

ABUBAKAR IMRAN

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EDUCATION:

National University of Sciences and Technology

Sept 2022 - Present

BS. Computer Science

CGPA: 3.3

Key Courses: *Web Engineering, Object Oriented Programming, Data Structure and Algorithm, Database Systems, Digital Logic Designing, Computer Organization and Assembly Language, Linear Algebra*

EXPERIENCE:

SoftPyramid (AI Intern)

June 2024 - Aug 2024

- **Llama3 Model Training:** Trained Llama3 on company policies, allowing HR to retrieve information efficiently by interacting with the model.
- **Attendance System Automation:** Automated the attendance process by integrating it with Llama3, enabling employees to easily view attendance and mark leaves through the model.
- **RAG (Retrieval and Generation):** Implemented RAG using langchain for question answering documents.

CODSOFT (Web Developer Intern)

July 2023 - Sept 2023

- Utilized **MERN Stack** (React, Node.js, Express.js, MongoDB) to develop and maintain features for an e-commerce website (**NexGen Homeware**), allowing user account creation, **product management**, and **order processing**.
- Implemented **admin dashboard** for managing products and orders.

PROJECTS:

Community Service Web Application: (Faryaad)

- A web app using **React** for frontend, **NodeJS** and **ExpressJS** for backend, **MySQL** for database and **Github**.
- **Account Management:** User can register, login, recover account using forget password and view profile.
- **Fundraising Campaigns:** User can start campaign, donate for existing campaign and track campaigns.
- **Community Drive:** User can create community drive and volunteer for existing drive.

Student-Donor Donation Website:

- Developed a MERN stack web app for student donor donations, including **admin**, **student**, and **donor** views.
- Utilized **Zustand** for state management and **Formik/Yup** for frontend form validation.
- Designed frontend with **Material UI** and **Tailwind CSS** for responsive and visually appealing interfaces.
- Implemented features like **case approval workflow**, user profile management, and **donation tracking**.

Car Rental Management System:

- Developed a car rental management system using **Python** and **Tkinter** library.
- Implemented features for user **registration**, login, **booking management**, and profile editing.
- Users can select cars, input booking details, view images, and receive automated bills.

National Anthem Analysis: (Lyrics Vista)

- Spearheaded the development of a **Python**-based application for comparing and generating anthems.
- Implemented NLP techniques and K-Means clustering for data analysis and pattern identification.
- Leveraged **OpenAI** for anthem generation and utilized **Matplotlib/Seaborn** for **data visualization**.

LEADERSHIP AND EXTRA CURRICULAR :

- Organized Tech Avant Garde (**TAG'24**), NUST's largest tech meetup under Google Developer Student Club NUST (**GDSC**), coordinating workshops and talks by industry experts, showcasing strong leadership and mentorship.
- Led marketing initiatives for various tech events under **Hack Club Nust**, such as Webverse with Huawei, Hack Club Day, Astera Data Integration Bootcamp, and seminars on Web 3.0, Cloud Security, and ML careers abroad.

SKILLS :

- **Frontend :** MERN STACK, HTML, CSS, JavaScript, (Frameworks like React), Bootstrap, Tailwind CSS, Material UI, Formik and Yup (Form Validation)
- **Backend :** Node.js, (Frameworks like Express.js)
- **Databases:** MongoDB, MySQL, Firebase
- **Version Control and Languages:** Git, GitHub, C, C++, Java, Python, Assembly Language
- **Programming Languages:** C, C++, Java, Python, Assembly Language