AMASH RIAZ

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EDUCATION

VIT Bhopal University   **2022 - 2026**
*B.Tech - Computer Science and Engineering - **CGPA** - **7.97***   *Bijnor, Uttar Pradesh*

PROJECTS

EchoMail (Voice-Controlled Email Automation) ⌕

| Python, Speech Recognition, SMTP   **02-04 2024**

- Developed a hands-free email-sending system using Python,integrating speech recognition and text-to-speech.
- Speech-to-Text Processing: Captured user voice input for recipient, subject, and body of the email.
- Text-to-Speech Feedback: Used pyttsx3 to provide real-time verbal confirmation to the user.
- Automated Email Sending: Utilized smtplib and EmailMessage to send emails securely via Gmail SMTP.
- Enhanced Usability & Accessibility: Enabled voice-driven email communication for a more accessible experience.

SecureHub (User Registration System) ⌕

| Flask, MySQL, HTML, CSS, JavaScript   **5-6 2024**

- Designed a user registration system using Flask and MySQL, enabling secure account creation and storage.
- Form Validation & Error Handling: Implemented client-side validation with JavaScript and server-side validation with Flask.
- Database Integration: Used MySQL to securely store user data such as username, email, and password.
- Enhanced Security: Applied basic hashing techniques for password storage, improving system security.
- Easy-to-navigate Interface: Created a responsive registration form with HTML, CSS, and JavaScript.

EmoText (Hindi Text Emotion Detector) ⌕

| Python, Natural Language Processing (NLP)   **7-8 2024**

- Engineered a Hindi text emotion detection system using Python, leveraging NLP techniques.
- Preprocessing: Applied tokenization, stop-word removal, and lemmatization to prepare data for analysis.
- Emotion Classification: Used machine learning models to classify emotions (e.g., happy, sad, angry).
- Data Training: Trained the model on a labeled dataset, achieving high accuracy in emotion detection.
- User Interaction: Enabled text input for real-time emotion classification via a intuitive interface.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL.
Technologies/Frameworks: HTML5, CSS3, Tailwind CSS, Bootstrap, Javascript, ReactJS, SQL, Git, GitHub.
Developer Tools: VS Code, IntelliJ, PyCharm, Canva.
Concepts: OOPS concept, Multithreading, JDBC, File Handling, DOM Manipulation, Subqueries, Transactions, Query Optimization, Computer Networks, DBMS, Digital Logic Design & Simulation, Basic VLSI.
Current Focus: ReactJS, NodeJS, NextJS, ExpressJS, TypeScript, Spring boot, Data Structures & Algorithm.

CERTIFICATIONS

- Java Core Concepts - Devtown
- API Fundamentals Student Expert - Postman
- Career Essentials in Generative AI - Microsoft & LinkedIn
- Career Essentials in Software Development - Microsoft & LinkedIn
- The Bits and Bytes of Computer Networking - Coursera
- Soft Skills Certificate - TCS iON
- Digital Marketing - Accenture

EXTRACURRICULAR

∗ Taught basic web development(front-end part) in offline Mode. 09-2024 – 12-2024
∗ NSS Member from 2022 to 2023