

## ZEBA FATMA

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**GitHub:** <https://github.com/zebfatma>

**Leet Code:** <https://leetcode.com/u/zeba18/>



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## CAREER OBJECTIVE

To begin my career as a Computer Science professional where I can apply my knowledge of programming, software development, and database management to build efficient and innovative applications. I aim to contribute to organizational success while continuously enhancing my technical skills through hands-on development and learning new technologies.

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## EDUCATION

- **Bachelor of Engineering – Computer Science & Technology**

CMR Institute of Technology, Bengaluru

CGPA: 9.425 ,2027(Pursuing)

- **12<sup>th</sup> Standard– Science**

Kids Garden Secondary School, Jharkhand

80%, 2022

- **10<sup>th</sup> Standard -CBSE**

Kids Garden Secondary School, Jharkhand

87%, 2020

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C
  - **Frameworks & Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn, Flask
  - **Software:** Git, Jupyter Notebook, VS Code, Eclipse, MS Office
  - **Databases:** MySQL, MongoDB
  - **Web Technologies:** HTML, CSS, React Native
  - **Operating System:** Windows, Ubuntu
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## PROJECTS

- **College Companion App**
  - Built a **React Native (Expo) College Companion app** with timetable, attendance tracker, assignments, and Pomodoro timer features.
  - Implemented **offline data storage** using AsyncStorage for persistent user data and settings.
  - Designed a modern **dark neon UI** with reusable components and dynamic profile integration.
  - Added smart academic tools: **attendance calculation, deadline alerts, editable timers**, and timetable validation.
- **Hotel Management System**
  - Developed a **Hotel Management System** using **Python and SQL** to handle bookings, guest details, and room management.
  - Implemented **CRUD operations** for managing reservations, check-ins, and check-outs efficiently.
  - Designed a **normalized relational database** ensuring data consistency and integrity.
  - Integrated a **GUI (Flask)** to provide an interactive and user-friendly interface.
- **Smart Vehicle**
  - Designed and implemented a smart vehicle prototype using **Arduino** and **C programming**.
  - Integrated **ultrasonic sensors** to detect obstacles in real time.
  - Developed logic to **stop or change direction** upon detecting obstacles for collision avoidance.
  - Improved system responsiveness by optimizing **sensor input handling and motor control**
- **Real-Time Language Translator**
  - Built a **real-time language translator** using **Python, SpeechRecognition, and gTTS libraries**.

- Enforced speech-to-text conversion to capture and process input from multiple languages.
  - Integrated translation logic to convert input into **English** with high accuracy.
  - Enabled **voice-based output** in real time through text-to-speech synthesis for seamless user interaction
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## INTERNSHIP

Unified Mentor | Intern | April 2025 – October 2025

- Completed a certified internship under **Unified Mentor**, focusing on Python programming and data analysis.
  - Gained hands-on experience with **Python libraries** such as Pandas, NumPy, and Matplotlib for dataset analysis.
  - Learned the **basics of Machine Learning**, including data preprocessing, model building, and evaluation.
  - Successfully completed **six data-driven projects**, applying analytical and problem-solving skills to real-world datasets.
  - Developed strong skills in **data visualization, feature extraction, and analytical reporting** using Python.
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## CO-CURRICULAR & EXTRA-CURRICULAR ACTIVITIES

- **Seminars:**
    - Attended Ola Sankalp Seminar (Ola Campus, Aug 2024)
    - Attended a Seminar on topic “Computational & Data Science” at IISc Bangalore (2025)
  - **Online Courses:**
    - Python Programming (Beginner to Expert)
    - Data Analyst & Scientist (Unified Mentor)
    - Web Development (Python and Django)
  - **NSS:**
    - Volunteered in multiple NSS events such as Blood Donation Camps, Eye Checkup Camps.
    - Participated in Water Conservation Awareness programmes contributing to community service and development
    - Conducted an interactive teaching session for govt. School students at JGPS
  - **Non - Technical Clubs:**
    - Active member of Theatre Club of CMRIT
    - Served as Mime Head and organized events such as Improv, Silent Echos
  - **College Fests:**
    - Actively participated in Mono acts during Cultura 2024
    - Actively participated in Mime during Cultura 2025
    - Participated in various events like mono act, improv in different college fests
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## ACHIEVEMENTS

- Winner at Cultural Fest (Cultura 2025) in Mime Competition as part of Theatre Club team
  - Winner at Cultural fest (Aura 2023) in Improv Competition as part of Theatre Club team
  - Winner of Mini Project Exhibition (CMRIT, 2023)
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## PERSONAL DETAILS

Date of Birth	: 18-10-2004
Gender	: Female
Nationality	: Indian
Permanent Address	: Shimlabahal Basti, PO-Bhagabandh, PS-Jharia, Dhanbad, Jharkhand-828111
Languages Known	: English, Hindi
Hobbies	: Singing, Dancing, Drawing