**Komal Baid**

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**Education**

**VIT Bhopal University**         Bhopal, Madhya Pradesh

B. Tech in Computer Science and Engineering    2022- 2026

Cumulative GPA: 8.75

**12th Standard**

**Krishna Public School**Raipur, Chhattisgarh

CBSE Percentage: 82 %          2021- 2022

**10th Standard**

**Krishna Public School**Raipur, Chhattisgarh

CBSE Percentage: 94.4%         2019 -2020

**Projects**

**Driver’s Drowsiness Detection System** Mar 2024-Apr 2024

* Collaborated with a group to develop a real-time driver’s drowsiness detection system using Python and machine learning algorithms to enhance road safety.
* Trained machine learning models like YOLO5, YOLO8 for real-time image classification tasks and implementing feature extraction techniques for facial analysis in video streams.

**Task Manager Website**Aug 2023 – Oct 2023

* Developed a Front-end Task Manager website, implemented user-friendly interfaces and interactive features for efficient task creation, setting task priority, and tracking goals.
* Created Integrated real-time updates, improving communication and increased team efficiency by 20% through the implementation of task management features.

**Amazon Clone** Nov 2023

* Designed an Amazon clone website with the help of front-end language, HTML and CSS.

**Real-Time Environmental Adjustments for Optimized Delivery Routes** Aug 2024

* Developed a RandomForestRegression model, as a team of 2, to predict traffic speeds using real-time weather data collected from API.
* Aimed to minimize emissions and improve fuel efficiency by dynamically adjusting routes based on current traffic, weather, and environmental conditions.

**Additional**

**Technical Skills**: Programming language-C++, C, Python, HTML, CSS, JavaScript;

**Languages:**Fluent in Hindi, English;

**Computer Science Core:** Data Structures and Algorithms (Beginner), Object Oriented Programming, Database Management System.

**Certifications & Training:** Bits and Bytes of Computer Networking (Coursera) – Dec 2023;

MATLAB Onramp and Simulink;

VITyarthi Python essentials;

Mindler Immrse virtual internship program in Psychology – Feb 2022.