Vedika Gangil

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github.com/vedikagangil

Computer Science student specializing in Cloud Computing with a strong foundation in academic coursework, proficiency in Python, and a passion for English literature. Adaptable, detail-oriented, and eager to contribute to innovative tech projects.

Education

VIT Bhopal University **Bhopal**
*B.Tech in Computer Science(Specialization in Cloud Computing and Automation) CGPA: **8.21*** *Aug. 2022 – Present*

Prodigy Public School **Pune**
*Higher Secondary School GPA: **73.0*** *May. 2020 – Jun. 2022*

Prodigy Public School **Pune**
*Secondary School GPA: **90.2*** *Jan. 2018 – Mar. 2020*

Technical Skills

- **Languages:** C++, JavaScript, Python, Java
- **Frameworks:** React, Node.js, Express.js
- **Web Development:** HTML, CSS, SASS, REST API, SQL (MySQL), MongoDB
- **General:** Git, Data Structures and Algorithms, Object Oriented Programming, Database Management System

Projects

Emotion Detector | *Python, Keras, Numpy, Pandas, PyWhatKit* Feb 2024 – May 2024

- Collaborated in a team to develop a machine learning-based emotion detection system using Keras and deep learning techniques.
- Trained the model on facial expression datasets to accurately classify user emotions in real-time.
- Integrated pywhatkit to connect an emergency contact mechanism that triggers alerts during detected emotional distress, reducing potential road accident risks.
- Implemented image preprocessing and feature extraction to enhance model accuracy.
- Designed the model to run with optimized resource usage for real-world deployment on local machines or embedded systems.

Travel Package Website | *HTML, CSS, JavaScript, PHP, MySQL* Aug 2023 – Nov 2023

- Developed a responsive, interactive website to offer user-personalized travel packages based on preferences.
- Enabled dynamic filtering of packages through AJAX and server-side scripting using PHP and MySQL.
- Implemented a full-stack user management system, including login, registration, and profile customization.
- Utilized external libraries and APIs for features like real-time weather updates, maps, and package suggestions.
- Ensured seamless user experience with mobile-friendly design, real-time data handling, and backend validations.

Certificates

IBM Machine Learning in Python – *Coursera* Jan 2024

Python Essentials – *VITyarthi* Aug 2023

Fundamentals of AI and ML – *VITyarthi* Apr 2023

MATLAB and Simulink Onramp – *MathWorks* Sep 2022