Aditya Vardhan

Bachelor of Technology
Computer Science and Engineering
Bennett University, Greater Noida

📞 +91-9335837383   ✉ vardhan.aditya.4414@gmail.com   ⊙ 1ADITYA4   in aditya-vardhan

Education

– **Bennett University**   *2022-present*
  B.Tech.   CPI: 7.79
– **St Xaviers High School, Azamgarh**   *2019-2021*
  Intermediate, *CBSE*   Percentage: 77%
– **St Xaviers High School, Azamgarh**   *2017-2019*
  High School, *CBSE*   Percentage: 85%

Projects

- **BOOKHIVE**   Github ⊙
  Dec 2024 - In Progress

  *A university-oriented platform for **book rentals, mentorship sessions, blogs, and academic resource sharing.***
  Tech Stack

  – **Frontend:** ReactJS, Tailwind CSS, JavaScript

  – **Backend:** Node.js, Express.js

  – **Database:** MongoDB

  – Plan to build secure authentication and real-time chat features.
  – Future work includes designing an efficient book search with pagination.
  – Aim to streamline **mentorship booking** and academic support services.
  – Plan to optimize database queries for scalability and performance.

- **Assistive and Navigation Model for the Visually Impaired and Elderly People**   Github ⊙
  Nov 2024

  *An advanced computer vision-based system assisting visually impaired individuals by providing **real-time object detection and navigation guidance.***
  Tech Stack

  – **Programming Language:** Python

  – **Libraries:** ultralytics (YOLOv8), OpenCV, speech_recognition, pyttsx3, threading for real-time synchronization.

  –**Implemented** YOLOv8 for real-time object detection and tracking.
  – **Developed** distance estimation and directional guidance features for spatial awareness.
  – **Integrated** voice commands and audio feedback for interactive navigation.
  – **Optimized** for cross-platform use with real-time synchronization and performance.

Technical Skills and Interests

– **Languages:** C++, Python, JavaScript, HTML
– **Developer Tools:** Git, GitHub, VS Code
– **Soft Skills:** Problem Solving, Adaptibility, Event Management, Networking, Teamwork, Technical Documentation
– **Libraries and Frameworks:** OpenCV, YOLOV8, Numpy, Pandas,NextJS

Position of Responsibility

– Lead a team at **Smart India Hackathon**, providing innovative solutions.
– Co-management Head at the **RPA (Robotics Process Automation)**

Certifications

– **Algorithmic Toolbox** – UC San Diego   *2023*
  Completed a comprehensive course on algorithms and problem-solving.   Coursera
– **Introduction to Artificial Intelligence (AI)** – IBM   *2023*
  Gained expertise in ML algorithms, data preprocessing, and model evaluation.   Coursera

Coding Profiles:

</> LeetCode Profile: Aditya_1441   📄 GeeksforGeeks Profile: adityathegeek