Vedant Umesh Kale

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EDUCATION

Vidyavardhini College of Engineering and Technology, Mumbai, India November 2022 – Present
Bachelor of Technology in Computer Engineering **(CGPA 8.2/10)**
Relevant Courses: Algorithms, Data Structures, Software Engineering, Data Science, Machine Learning

TECHNICAL SKILLS

Languages: Python, C, Java, SQL, HTML5, CSS, JavaScript | **Databases**: MySQL, MongoDB
Tools / Frameworks: Django, Flask, Git

PROFESSIONAL EXPERIENCE

Machine Learning Intern | Bharat Intern, Mumbai Dec 2023 – Jan 2024

- Created and fine-tuned prediction models, including a house price prediction model, using machine learning algorithms to achieve high accuracy and reliability. Collaborated with domain experts to translate complex research requirements into functional system features.
- Implemented regression models to analyze trends and patterns in various datasets, contributing to data-driven decision-making processes.
- Conducted comprehensive data analysis on the electric vehicle (EV) sector, identifying key insights and trends that informed strategic recommendations..

Worked collaboratively with cross-functional teams, documenting processes and findings to facilitate knowledge sharing and future project scalability.

Web Development Intern | CodSoft, Mumbai Dec 2023 – Jan 2024

- Designed and developed a full stack website for enterprise data management, ensuring seamless user experience and robust functionality.
- Developed secure server-side applications using Django Flask for efficient data processing.
- Created and integrated RESTful APIs for smooth communication between front-end and back-end systems, facilitating data exchange.

PROJECTS

ARNAV:- (Augmented Reality based navigation app for visually impaired) August 2024 – Present

- Leveraging Unity and Google AR Toolkit to create an advanced indoor navigation application for Android using Kotlin.
- Implemented computer vision techniques to accurately determine user location within indoor environments.
- Integrated A* algorithm and deep learning models to optimize navigation paths, ensuring efficient route planning.
- Developed a specialized module featuring voice assistance for visually impaired users, enhancing usability and inclusivity of the navigation system.

YouTube Comment Sentiment Analysis: April 2024 – June 2024

- Implemented real-time web scraping techniques to collect and preprocess YouTube comments for analysis.
- Developed a Natural Language Processing (NLP) model to perform sentiment analysis on the scraped comments, accurately classifying them as positive, negative, or neutral.
- Analyzed sentiment trends and patterns, providing actionable insights and visualizations to enhance content strategy and user engagement.

CERTIFICATE

- Develop Generative AI solutions with Azure OpenAI Service
- Infosys Springboard Programming Fundamentals using Python
- Infosys Springboard Java Programing Fundamental