ABHISHEK ANANT KHALE

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Address: Mumbai, MH

Coding Profile (LeetCode): https://leetcode.com/Khale_Abhishek01/

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GITHUB & LINKEDIN PROFILE

https://github.com/Abhilitcode , https://www.linkedin.com/in/abhishek-khale/

EDUCATION

Bachelor of Technology in Computer Engineering

Jun 2024

Ramrao Adik Institute of Technology (DY Patil University) (9.83 CGPA)

INTERNSHIP EXPERIENCE

Data Structures and Algorithm Design Intern

Jun 2023

Birla Institute of Technology, Mesra

- Collaborated with peers to tackle complex tasks, applying skills to solve real-world case studies.
- Participated in an intensive three-week program that encompassed in-depth topics in data structures and algorithm design.
- Engaged in hands-on sessions covering essential concepts such as Stack, Queue, Trees, Graphs, and Linked Lists.
- Explored aspects of algorithmic efficiency, including sorting and searching techniques.
- Contributed to panel discussions & peer interactions, fostering development of communication & teamwork skills.

SKILLS SUMMARY

- **Programming Languages:** Python, C, SQL
- **Machine Learning:** Linear/Logistic Regression, SVM, Clustering, Classification Algorithms
- **Web Stack & Tools:** Flask, HTML, CSS, MySQL, AWS, Git, GitHub, Jupyter Notebook
- **Data Analysis:** Numpy, Pandas, Matplotlib, Seaborn, BeautifulSoup, Requests
- **Machine Learning Libraries:** Scikit-Learn, TensorFlow
- **Relevant Coursework:** Data Structures, Design and Analysis of Algorithms, DBMS, Machine Learning, OOPS

PROJECTS

MailSecure

May 2023

- Employed machine learning methods to create a robust spam classification system, capable of distinguishing between spam and legitimate emails.
- Preprocessed a dataset consisting of 5,572 emails, with 80% allocated for training and 20% for testing purposes.
- Exceptional performance by achieving an impressive 96.67% accuracy rate on the test dataset, highlighting the system's effectiveness in email categorization.
- Tools used: Python, NumPy, Pandas, scikit-learn, TfidfVectorizer, Logistic Regression.

Customer Segmentation Analyzer

May 2023

- Conducted customer segmentation analysis utilizing the KMeans clustering algorithm, with a specific focus on annual income and spending score attributes.
- Determined the optimal number of clusters, five in total, based on an elbow point graph, ensuring meaningful data grouping.
- Processed data from a cohort of 200 customers, resulting in a visually insightful cluster plot for enhanced data comprehension.
- Utilized tools: Tkinter, Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, K-Means Clustering, FigureCanvasTkAgg.

Amazon Product Data Retrieval Web App

Sep 2022

- Developed a web application employing Python and Flask, aimed at extracting and presenting crucial product details from Amazon efficiently.
- Utilized web scraping techniques, specifically BeautifulSoup to collect diverse data, encompassing images, titles, prices & ratings.
- Implemented user-friendly interfaces and integrated user input features, enhancing user interaction.
- Ensured the continuous availability of current data, empowering users to make informed purchasing choices.
- Utilized Tools: Python, Flask, BeautifulSoup, requests, HTML, CSS, Jinja2, HTTP Headers, Amazon Website (Scraping).

CERTIFICATIONS & ACHIEVEMENTS

- Solved over 260 problems on LeetCode.
- Received a Letter of Recommendation for Data Structures and Algorithm Design from Kishor Kumar Senapati, Associate Professor at BIT Mesra.
- Secured a 10/10 score in Data Structures and Algorithms.
- Python and Flask Bootcamp: Create Websites using Flask: Flask Certification.
- The Complete Python Bootcamp From Zero to Hero in Python: Python Certification.