KRISHNA VAMSHI

+91 7794899835 ⋄ kvamshi2k2@gmail.com
LinkedIn:https://www.linkedin.com/in/k-krishna-vamshi/ ⋄ GitHub: krishnavamshi

EDUCATION

Bachelor of Technology in Computer Science and Engineering,
Malla Reddy Engineering College 2020 - 2024
Course work : Data Science, **CGPA:** 8.56

Intermediate, Sri Chaitanya Jr College 2018 - 2020
Course work : MPC, **Percentage:**: 97.2

TECHNICAL SKILLS

Skills/Languages: Python, C, C++, Java, MySQL, HTML.
Technologies/Tools: Machine Learning, Data Visualization, Git, Github, Shell scripting, Object oriented programming, Agile, Testing, Debug complex issues, Version Control,Selenium, Jupyter Notebook, Google Colab, VS Code, Power BI.

ACHIEVEMENTS

- Spearheaded a project in the Doceree ML Hackathon, achieving a model accuracy of 99.4895 percentage and securing the 37th position.
- Served as Executive Board Member and Technical Lead of Atharva Data Science Community (10 members), demonstrating leadership and technical expertise to drive organizational success.
- Attained the 5th position in a college-level coding contest held under the CodeChef MREC Chapter, demonstrating proficiency in programming and data structures skills.
- As a team, we achieved the top position within our department during the project exhibition as part of the Akshara event.
- Hold a 3-star rating on CodeChef, having proficiently solved 260 challenges on CodeChef and 237 on Leetcode, showcasing strong coding skills.

INTERNSHIP

TATA Data Visualization: Empowering Business with Effective Insights.

- The main goal is to carefully clean the data to find valuable insights that help executives make good decisions for a comprehensive expansion plan. This involves looking at new trends, breaking down where revenue comes from, and measuring how well different groups are doing.Resulting in a significant 15% performance improvement.

PROJECTS

Gesture Volume Controller using OpenCV.

- Innovated a system utilizing OpenCV for the recognition of hand gestures, elevating human-computer interaction.
- Designed a real-time gesture interface that dynamically adjusts audio volume in response to recognized gestures with over 90% accuracy, providing a seamless and user-friendly experience.
- Used advanced video processing techniques to detect and understand hand gestures with minimal latency, allowing for precise and responsive control of volume.

  GitHub: Hand-Gesture-Volume-Controller

Attendance Management System using Face Recognition.

- Designed an automated attendance solution, leveraging cutting-edge facial recognition technology to ensure exceptional accuracy and operational efficiency, reducing processing time by up to 50%.
- Engineered a sophisticated system that captures real-time participant images, intelligently matches them with an established database of over 100 faces.
- Seamlessly incorporated advanced algorithms for face detection and recognition to consistently recognize individuals, decreasing the need for manual attendance tracking with an 80% accuracy rate.

  GitHub: Attendance-analyser

Question Answering system using Transformers - BERT.

- The primary aim of this project is to develop a highly accurate BERT model with high accuracy and efficient system capable of answering questions based on uploaded descriptions or PDF documents.
- Compared to traditional methods like RNN and LSTM, which frequently face challenges in capturing long-range dependencies and comprehending context in natural language, these models often achieve accuracy levels in the range of 50% to 60% or even lower.
- BERT achieves approximately 15% higher accuracy than previously proposed methods due to its pretrained knowledge on large corpus of textual data and it uses bidirectional approach

  GitHub: Question-answering-system

PROFESSIONAL CERTIFICATES

- MTA: Introduction to Programming using Python
- Michigan University: Python Data Structures
- HackerRank: Python Programming
- IBM: Python for Data Science
- Coursera:Mastering Data Analysis
- Microsoft:Azure Fundamentals