Skanda Varadaraj

Roll No.: 210968027
Bachelor of Technology
Manipal Institute of Technology, Manipal

📞 +91-8762324300
✉ skandavaradarajs@gmail.com
⌨ github.com/Skanda16
in www.linkedin.com/in/skanda-varadaraj-3467b7273

EDUCATION

•**Bachelor of Technology in Data Science and Engineering** *2021-25*

Manipal Institute of Technology, Manipal

•**12th Grade** *2005-21*

Little Rock Indian School

EXPERIENCE

•**Krishitantra** *May - July 2024*

Data Science Intern Hybrid

– Created an advanced machine learning algorithm that processed complex datasets, resulting in actionable insights now utilized by over 15 team members in product management to optimize service offerings and improve customer satisfaction.
– Spearheaded the development of a machine learning model that improved dataset understanding, leading to actionable insights and findings that addressed the three biggest causes of data discrepancies within 6 weeks.
– Conducted comprehensive model validation and optimization processes, resulting in a performance benchmark that increased overall model reliability by 60%; findings are now utilized in regular training cycles for ongoing improvements.
– Integrated them into a React website using the pickle format which improved the accuracy of model by 30%.

PERSONAL PROJECTS

•**LIFESTYLE MANAGEMENT SYSTEM**

A Web Application made for users to manage and keep track of their lifestyle.

– Devised a fully responsive Web application for tracking lifestyle activities that streamlined data entry for users, can result in a time savings for active users.
– Created a scalable data architecture that streamlined the organization of user records, enabling real-time habit tracking updates and improving data accessibility and efficiency by 15%.
– Developed Using HTML, CSS, MongoDB.

•**ARTSY**

A Web application which helps artists make connection with buyer through a marketplace.

– Created a website acting as a marketplace to buy and sell art collections.
– Connect artists and collectors, with data stored in a backend database.
– Designed and launched a multi-functional web application with React, PHP, and MongoDB, which can supported over 1,000 user registrations, establishing a robust foundation for future growth and feature expansion.

•**REAL-TIME FINGER DETECTION**

Designed a real-time finger detection system to identify which fingers are being shown using computer vision.

– Utilized hand tracking algorithms to detect key landmarks on the hand, enabling precise identification of finger positions.
– Devised a sophisticated algorithm that classified finger positions based on 20 detected landmarks, leading to a reduction in processing time by 30% and enhancing the efficiency of gesture recognition operations.
– Created using Python, OpenCV, MediaPipe, and NumPy.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C/C++, Javascript, HTML+CSS, SQL
Libraries : Tensorflow, Keras, CUDA, ReactJs
Web Dev Tools: VScode, QGIS, Nodejs
Python Libraries:SciKit-learn, Numpy, Pandas
Relevent Coursework: Data Structures & Algorithms, Data Analytics, Machine Learning, Artificial Intelligence, Software Engineering.
Areas of Interest:Data Scientist, Data Analytics, Software Development Engineer.

POSITIONS OF RESPONSIBILITY

- **Sports** Handball

  – Won Gold in Inter-MAHE tournament 2023.
  – Won Silver in Inter-MAHE tournament 2024.

- **Marketing Head** Campuskin   *6 Months*

  – Directed the implementation of a comprehensive client feedback system, gathering insights from over 20 clients that informed marketing strategies and improved service offerings, leading to a measurable increase in customer satisfaction.
  – Coordinated a multi-channel marketing campaign for Campuskins' college fest sponsorship, which achieved a reach of over 200 students and generated an impressive 35% increase in event participation compared to previous years.