GUDIPUDI SIVA KRISHNA

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EDUCATION

Kalasalingam Academy of Research and Education, Tamil Nadu, India
Bachelor of Technology in Computer Science and Engineering   *Aug 2021 – May 2025*
CGPA: 8.51

SKILLS SUMMARY

- **Languages:** Python, Java, C, SQL, JavaScript (Basics)

- **Frameworks:** Pandas, NumPy, Scikit-learn, Matplotlib

- **Tools:** MySQL, Power BI, Tableau, Excel, PowerPoint, VS Code, SQLite

- **Platforms:** PyCharm, Jupyter Notebook, IntelliJ IDEA

- **Soft Skills:** Communication, Teamwork, Leadership, Time Management

PROJECTS

Credit Card Fraud Detection   *Dec 2024 – May 2025*

- Developed and fine-tuned a logistic regression-based machine learning model with 87% accuracy to detect credit card fraud.

- Reduced false positives by 16% through effective feature engineering and hyperparameter tuning.

- Addressed class imbalance using under-sampling and ensemble techniques, improving performance by 15%.

- Improved model efficiency by 23% and accuracy by 6% through iterative optimization.

Virtual Mouse Using Hand Gesture Recognition   *Sep 2023 – Dec 2023*

- Designed a computer vision-based virtual mouse using OpenCV and MediaPipe to replace traditional input devices.

- Achieved 93% gesture recognition accuracy, enhancing user interaction and accessibility.

- Improved responsiveness by reducing latency by 40% through real-time frame optimization.

- Prioritized accessibility for users with physical impairments by providing a hands-free interaction alternative.

- Showcased innovation in Human-Computer Interaction by integrating hand tracking into desktop environments.

CERTIFICATES

Programming in Python (Meta)   *August 2023*

- Mastered core Python syntax including control flow, loops, functions, and data structures.

- Gained expertise in procedural programming paradigms and logical problem solving.

Introduction to Data Analysis (IBM)   *October 2024*

- Acquired knowledge of the data ecosystem, including ETL processes and big data fundamentals.

- Practiced effective data collection, cleaning, and preparation for analysis.