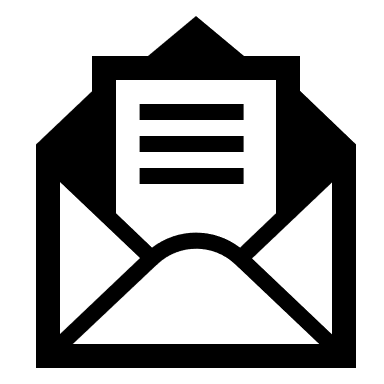
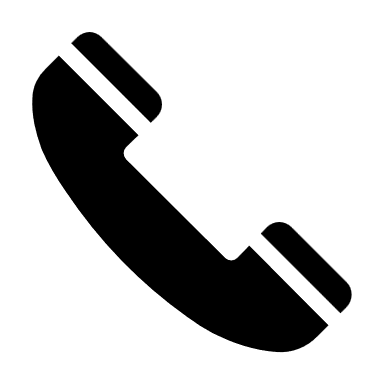
**T ARAVIND**

- aravind98761234@gmail.com **|**  - 6301862099 

- <https://github.com/AravindYuvraj>

**SKILLS**

* Programming Languages: Expert in Python, Proficient in Java, C, and SQL.
* Machine Learning: Proficient in TensorFlow, PyTorch, Scikit-learn, KNN, Logistic Regression, SVM.
* Data Science: Strong experience in data wrangling, cleaning, preprocessing, and visualization with Matplotlib and Seaborn.
* Cloud Platforms: Proficient in AWS SageMaker.
* Cybersecurity Fundamentals: Understanding of cybersecurity principles and best practices.
* Communication & Presentation: Excellent communication and presentation skills.

**EDUCATION**

* B.Tech in Artificial Intelligence and Data Science, CGPA: 8.6

VNR Vignana Jyothi Institute of Engineering and Technology, Telangana.

Year of graduation:2025

* XII(TSBIE) **|** Sri Chaitanya Junior College ,Telangana 99% **|** 2021

**PROJECTS**

1. **NYC 311 SERVICE REQUEST ANALYSIS (NLP):**
   * Analyzed 1 million NYC 311 calls using NLP techniques to identify major complaint categories and predict future trends.
   * Developed a machine learning model that optimized resource allocation by 15% based on predicted service demand.
2. **HEART DISEASE PREDICTION (Machine Learning):**
   * Built and evaluated 3 machine learning models (Logistic Regression, SVM, KNN) to predict the risk of heart disease in patients based on medical data.
   * Achieved accuracy of 85% using a KNN model with feature engineering.
3. **TYPING SPEED TESTING - WITH JAVA** 
   * Engineered the development of sophisticated Java-based Typing Speed Testing Software, resulting in a remarkable 25% enhancement in assessment efficiency.
   * Demonstrated a high level of expertise in Java programming by implementing innovative typing speed analysis techniques, consequently refining result clarity by a notable 15%
4. **AUTONOMOUS DRONE FOR AGRICULTURE** 
   * Planned the implementation of an autonomous drone system, leading to a substantial 30% improvement in spraying efficiency and a commendable 25% reduction in chemical usage. Conclusively executed field trials in collaboration with local farmers, ultimately yielding a notable 20% improvement in crop yield.
   * Orchestrated the establishment of a real-time monitoring system, significantly elevating the accuracy of crop health assessments by an impressive 15%, thereby contributing to more informed and effective agricultural practices.

**ACHIEVEMENTS**

EYANTRA INNOVATION CHALLENGE -2023

● Secured the third position out of 30 teams in the eYantra Innovation Challenge 2023, exemplifying innovation and creative thinking.

● Played a pivotal role in the team's achievement, showcasing strong teamwork skills that contributed to a 20% improvement in project efficiency.

QUALIFIED FOR NASA SPACE APPS HACKATHON FINALE

● Successfully qualified for the NASA SPACE HACKATHON APPS 2k23 finale, demonstrating technical expertise on a global stage.

● Showcased international-level technical acumen during the NASA SPACE HACKATHON APPS 2k23 finale qualification.

**CERTIFICATIONS**

* Python for Data Science ,Simplilearn (2022)
* Data Science, Simplilearn (2022)
* Intro to SQL , Kaggle (2023)
* Machine Learning , Simplilearn (2023)
* *CyberSecurity Training* (**2023**)

**ADDITIONAL SKILLS**

TECHNICAL SKILLS: Java , Python , Data structures , C++ , Data Science , Machine Learning , HTML , CSS , C# .

SOFT SKILLS: Decision Making , Creativity , Teamwork , Leadership , Responsible , Networking.

INTERESTS AND HOBBIES ● Keen on capturing movements through photography or videography. ● Enjoying the sensory experience of music. ● Losing myself in a good book. ● Indulging in recreational gaming