

RANGA LAKSHMAN SAMPATH KUMAR

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LeetCode: <https://leetcode.com/u/bcR8GKUbcX/>

GitHub: <https://github.com/rlsampath2004>

CAREER OBJECTIVE

Aspiring Java Developer with strong foundation in programming and data structures seeking to leverage technical skills in Java development, object-oriented programming, and algorithms to contribute to innovative software solutions while continuously learning and growing in a dynamic development environment.

EDUCATION

Bachelor of Engineering and Technology

2022 - Present

QIS College of Engineering and Technology

CGPA: 8.0/10.0

SKILLS

- **Programming Languages:** Java, Python
- **Database and Query Languages:** SQL (Basic)
- **Web Technologies:** HTML (Basic), CSS (Basic)
- **Development Tools:** Visual Studio Code, Jupyter Notebook
- **Data Analytics:** Microsoft Power BI (Basic), Pandas, NumPy
- **Soft Skills:** Problem Solving, Time Management, Adaptability, Communication

PROJECTS

DDoS Attack Classification Using Machine Learning

2025

- Developed machine learning model to classify DDoS attacks using CIC-DDoS 2019 dataset
- Implemented LGBMClassifier, Random Forest Classifier, and XGBoost algorithms achieving 99% accuracy
- Performed comprehensive data preprocessing, feature selection, and handled imbalanced datasets
- **Technologies:** Python, Scikit-learn, LightGBM, XGBoost, Pandas, NumPy, Matplotlib

Network Anomaly Detection Using Machine Learning

2024

- Built network anomaly detection system using KDD Cup 1999 dataset for intrusion detection
- Evaluated multiple algorithms including Decision Tree, SVM, and Random Forest classifiers
- Selected Random Forest as the best performing algorithm achieving 97% accuracy in anomaly detection
- Applied feature engineering and cross-validation techniques for optimal model performance
- **Technologies:** Python, Scikit-learn, Random Forest, KDD Cup 1999 Dataset, Pandas, NumPy

CERTIFICATIONS

- **Python Programming Certificate** - CodeTantra Platform for Python Course Completion
- **CodeChef Certification** - Successfully solved 500 difficulty rating problems on competitive programming platform

ACHIEVEMENTS

- Solved 100+ problems on LeetCode platform demonstrating strong algorithmic skills
- Completed 200+ challenges on CodeChef competitive programming platform

DECLARATION

I hereby declare that all the information provided above is true and accurate to the best of my knowledge. I am willing to provide supporting documents upon request.