

# DHANUSRI K



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<https://github.com/dhanusridk2005>



## Education

### B.E - Electronics and Communication Engineering

Karpagam Institute of Technology, Coimbatore.

(2022– 2026)

CGPA 8

## Certifications

### AWS Cloud Foundations

Amazon Web Services

(Nov 2024)

- Learned core AWS services like EC2, S3, and cloud security essentials.
- Gained expertise in deploying scalable and cost-effective cloud applications.

### Elite Certificate on NPTEL Data Structures and Algorithms Using Java

NPTEL

(Oct 2024)

- Studied advanced topics in data structures such as trees, graphs, and dynamic programming.
- Gained proficiency in algorithm design and optimization using Java.

### C++ and Problem Solving

- Built strong foundations in data structures and algorithms using C++.
- Developed optimized solutions for complex problems and the Standard Template Library (STL).

## Projects

Customized Article Delivery with AI-Optimized Time Slot | Machine Learning

(2024-2025)

- AI-Driven Delivery System: Designed an AI-based solution for optimizing delivery time slots, enhancing customer convenience, developed for Smart India Hackathon 2024.
- Logistics Problem-Solving: Addressed logistic challenges with AI-driven approaches, improving efficiency and aligning with customer needs.
- Research-Informed Solution: Applied insights from global research on vehicle routing and time-slot management to develop a practical home delivery system.

Anomaly Detection in ICS Network Traffic using Deep Convolutional Generative Adversarial Network (Aug-2023)

- Developed ICS network anomaly detection system using DCGAN.
- Enhanced cybersecurity by detecting disruptions and cyberattacks.
- Handled imbalanced data using SMOTE for improved model accuracy.

## Technical Skills

## Soft Skills

- Programming | Python, Java, C++
- Frontend |HTML, CSS, JavaScript
- Database | MySQL

Leadership  
Team Work  
Time Management

## Achievement

- NPTEL-Data Structure and Algorithm Using Java (Oct-2024)
  - Received elite certificate with 62%.
- Solved 200+ problems on LeetCode and 50+ problems on GeeksforGeek demonstrating expertise in algorithms, data structures, and coding efficiency.