

Ayush Dhiman

+91 9892766260 | ayushdhiman101@gmail.com | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

EDUCATION

Vellore Institute of Technology

B.Tech. Computer Science and Engineering

Chennai, IN

July 2019 – Aug 2023

- **CGPA:** 8.73
- **Relevant Coursework:** Data Structure and Algorithms, Database, Application Development, Software Design and Development, Operating Systems, Artificial Intelligence

WORK EXPERIENCE

Infosys (General Electric Consultant)

Technology Analyst

Gurgaon, IN

June 2024 – Present

- Increased user efficiency by 30% by developing and optimizing a new module for GE Vernova's product using PL/SQL, Java, and Spring Boot.
- Improved system usability and client satisfaction by designing and implementing 12 new backend features.
- Reduced data processing time by 20% by managing and converting large datasets into usable & relevant insights.

General Electric (GE)

Software Engineering Specialist

Bangalore, IN

July 2023 – Present

Backend Performance Optimization and Database Management:

- Achieved 25% performance improvement by deleting 85% of records from a 1.3 billion-entry table.
- Conducted in-depth analysis to identify deletable records, developed a streamlined API for deletion, and executed rigorous testing and monitoring across all environments.
- Improved deletion efficiency through the implementation of a tracking table for transactional deletions.

Problem Resolution and Feature Development in Web Application.

- Analysed and resolved 12 production defects for the scheduling algorithm (built on Java).
- Developed 3 features for the web application using Spring Boot and Angular.

General Electric (GE)

Digital Technology Intern

Bangalore, IN

Jan 2023 – June 2023

- Attained 85% module coverage for the scheduling algorithm by creating 121-unit test cases.
- Increased reliability and maintainability through streamlining and refactoring the algorithm codebase.
 - Rectified 35 bugs, resulting in an enhanced reliability rating from D to A.
 - Addressed 80 blocker and 190 critical code smells.
 - Mitigated 2 security vulnerabilities.

Greend India

Software Development Engineer Intern


Remote

June 2021 – Sep 2021

- Engineered, tested, and maintained 7 new features.
- Improved efficiency and reduced traffic calls by 5% through the resolution of 3 bugs.
- Accomplished 10% reduction in latency by initiating platform migration and configuration to AWS.
 - Shifted WordPress images to S3 bucket
 - Shifted to AWS RDS

SKILLS & INTERESTS

LANGUAGES: Java, JavaScript, TypeScript, SQL, PostgreSQL, HTML5/CSS, C++, C, Python

SKILLS: Springboot, Hibernate, Angular, Node, MongoDB, REST API, Junit, Jasmine, Git, Linux, AWS (**Certified Cloud Practitioner**) , SAFe Agile Methodologies

PUBLICATIONS & PROJECTS

Smart Child Monitoring System

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Vol 2, Feb 22 

- A cost-effective and efficient IoT- Based monitoring system, using ML model for child detection and safety.
- Merged with alert system and home automation features for easy control and remote access.

Detection of Pneumonia by Analyzing Chest X-Rays

- Developed a full-stack web application using Flask, featuring RESTful API's using NoSQL - MongoDB.
- Detected Pneumonia afflicted patients by analyzing Chest X-Rays using Convolution Neural Network with an accuracy of 95.3%.


LEADERSHIP EXPERIENCE

Founder – Employee Engagement Team – General Electric

March 2023

President – PALS – 90 member student chapter bridges academia and industry.

June 2021 – Aug 2022

Manager – Technocrats Robotics (Official Robotics team of VIT) 

May 2021 – Aug 2022