HARISH P

STUDENT

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⟨ https://leetcode.com/u/XFouGl302b/

PROFILE

"I am a dedicated engineering graduate with a strong foundation in technical concepts and problem-solving skills. I enjoy learning new technologies and working in a team. I am seeking an entry-level role where I can grow professionally and contribute to innovative projects."

EDUCATION

BE-COMPUTER SCIENCE AND ENGINEERING   08/2024 – 09/2028
Banari Amman Institute of Technology   Sathyamangalam
An enthusiastic engineering graduate with a solid understanding of technical fundamentals. Skilled in analytical thinking and teamwork, seeking an opportunity to apply knowledge and develop industry-relevant skills.

SKILLS

C
Strong in Arrays & Loop Structures

C++
Basic C++ Programming

Problem Solving
Problems solved in leet code

THE VISION & ECONOMIC REALITY

Top 5 Dream Companies
- Google
- Microsoft
- Amazon
- Intel
- TCS (Product / R&D Division)

Prestige Bar
Expected Annual Salary Package:₹6 – ₹10 LPA (Entry-level / Fresher role)

The Role
Target Department: Software Development

Job Description
This role aligns with my strong foundation in **C programming, arrays, and loops**, while allowing me to improve my **C++ skills** through real-world development work.

TECHNICAL DEPTH & CORE-SOFTWARE CROSS-PROFICIENCY

AI-Driven Engineering
- ChatGPT – for debugging logic and code optimization
- Copilot – for faster code suggestions and syntax correction

Cross-Domain Bridge (SDE Perspective)
- **Memory Constraints:** Efficient use of arrays to avoid overflow and wastage
- **Timing Constraints:** Loop optimization to reduce execution time

INNOVATION, RESEARCH, & INTELLECTUAL PROPERTY

Patent-Ready Innovation
Identified inefficiencies in C programs due to poor array and loop usage. Proposed a modular array-processing approach to reduce execution time and logical errors. Not yet patent-ready due to lack of a novel algorithm; requires automated optimization and adaptive logic to qualify as a unique invention.

Reverse Engineering
Product Studied: Linux Operating System (conceptual) **Key Learnings:**
- Modular kernel architecture for scalability
- Efficient memory management using paging
- Hardware abstraction for portability

Comparative Benchmarking
Optimized C implementation reduced code size by ~30% and execution time by ~20% compared to legacy loop-based logic, with improved memory usage and reduced boundary errors.

EXTERNAL VALIDATION & COMPETITIVE DOMINANCE

Competitive Coding / Domain Ranking
- Currently at **beginner level** on competitive coding platforms
- Strong focus on arrays, loops, and basic data structures
- Plan to reach **Knight/Expert** level by daily practice and weekly contest participation

NPTEL & Global Certification
- Completed NPTEL courses (no Gold/Elite yet)
- Planning to complete the following certifications within **6 months**:
- **AWS Cloud Practitioner**
- **Oracle Java Foundations**

Aptitude Readiness
- Solved and verified approximately **180 aptitude problems** this month
- Covered quantitative aptitude, logical reasoning, and verbal ability
- Regular revision through mock tests to ensure accuracy

BUSINESS, LEADERSHIP, & SOCIAL IMPACT

Social Impact Project
- Built a Student Record Management System
- Reduced manual work and errors
- Impacted **50+ real users**

Market Economics
- Automates tasks to reduce operational cost
- Optimized code lowers system resource usage
- Modular design reduces maintenance effort

Leadership Metrics
- Mentored juniors in C programming → improved lab performance (high learning ROI)
- Helped manage a technical event budget → cost-efficient execution

SELF-CORRECTION & PROFESSIONAL COMMUNICATION

Non-Negotiable GATE Goal
- **Target GATE Score:** 650+ (3rd year)
- **Daily Study Plan:**
- 2 hours core subjects
- 1 hour problem-solving
- Weekly mock test analysis

Professional Communication Audit
- Recorded a 2-minute technical pitch of my best project
- Self-evaluation: **Basic level**
- Improvement plan: clearer structure, better technical vocabulary, regular practice

Missing 18-Month Plan

Advanced data structures, competitive coding, GATE mock scores, system design basics, technical communication, time management, research writing, hardware–software integration, AI tool efficiency, project documentation.

Target Timeline: All areas to be improved by **June 2027**, with **monthly progress reviews**.

THE FINAL VERDICT

If I were the recruiter, **I would not hire myself today**. While I have strong basics, I lack **clear proof of work** such as advanced projects, competitive coding results, and measurable real-world impact. Building these will make me industry-ready.