



# SRICHARAN SILAPARASETTY

Contact:

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## PROFILE

Aspiring Computer Science and Engineering student at Amrita Vishwa Vidyapeetham, Bengaluru. Passionate about Python and Java with foundational knowledge in Linux, C, and C++. Strong communication and teamwork skills, with a quick adaptability to new technologies. Eager to contribute to impactful projects and committed to continuous learning in the field of computer science.

## TECHNICAL SKILLS

**Python:** Intermediate  
**Java:** Intermediate  
**MySQL:** Intermediate  
**C++:** Beginner  
**HTML:** Beginner

## SOFT SKILLS

Problem-Solving  
Teamwork  
Time management  
Communication  
Leadership

## INTERESTS

Reading Novels  
Basketball  
Roller Skating  
Blender (3D Modelling)  
Theatre

## LANGUAGE

English: Advanced  
Hindi: Intermediate  
Telugu: Native

## EDUCATION

### Bachelor of Technology in Computer Science and Engineering

Amrita Vishwa Vidyapeetham, Bengaluru

CGPA: 8.95

2022 – 2026

### MPC, Class XII

Delhi Public School Whitefield, Bengaluru

Score: 90%

2021-2022

### CBSE, Class X

Delhi Public School Whitefield, Bengaluru

Score: 90%

2019-2020

## COURSES AND CERTIFICATIONS

### PCAP – Python Certified Associate Programmer Certification

Demonstrated a strong understanding of intermediate Python programming concepts, including object-oriented principles, data structures, and file handling. This certification validates proficiency in Python and the ability to approach problems, implement solutions, and write efficient, reliable code using Python's core features.

### Udemy - Advanced C Programming course by Learn Programming Academy

Mastered advanced concepts of the C programming language with a focus on in-depth understanding and practical application, covering topics like Threads, Function Pointers, Recursion, Networking, Bit Manipulation, Macros, Signals, and more.

### Java (basic) HackerRank Skill Certification

Achieved a strong foundation in fundamental Java syntax and constructs. This certification validates understanding of essential Java concepts, equipped to approach problems and write effective code using these core principles.

## PROJECTS

### Student Management System Leveraging Advanced Tree Data Structures

Developed a tree data structure that communicates with a JSON file and updates both the tree and file in real-time.

Designed front-end using Java-Swing for a simple and easy to understand user Interface

### Encryption-Decryption Using Mealy Machine

Developed and coded the decryption module for encryption software utilizing theory of computation principles and matrix multiplication with NumPy.

Researched and secured an opportunity to present findings at a prestigious IEEE conference.