

# SHANMATHI SHANMUGAM

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A dedicated and resourceful software developer intern with a strong foundation in coding and problem-solving. Passionate about learning and contributing to dynamic development teams. Eager to expand technical skills, embrace challenges, and grow into a proficient software professional.

## TECHNICAL SKILLS

- Programming Languages : Java, C, Python
- Tools & Software : Visual Studio Code, Colab, Pandas, Matlab, Git, Figma
- Programming Paradigms : Data Structures & Algorithms, Object-Oriented Programming

## WORK EXPERIENCE

### Arjun Vision Tech - Intern ( 25 June 2024 - 25 July 2024)

Gained foundational knowledge in Cyber Security concepts focusing on cryptography, threat detection, risk analysis, and basic defensive techniques against cyberattacks.

## PROJECTS

### To-Do List App

Developed a Java-based task management application that allows users to add, remove, and mark tasks as completed. Implemented file handling to store tasks and a user-friendly GUI using JavaFX.

### Number Guessing Game

Created an interactive Java game where users guess a randomly generated number, receiving hints until the correct answer is found. Utilized loops, conditional statements, and random number generation for game logic.

### Ciphertalk

Built a secure chat platform with Node.js and MongoDB, featuring AES-encrypted messaging and LSB steganography. Designed a contact page and chat interface supporting normal, encrypted, and steganographic messages with passkey-based decryption.

## ACADEMIC HISTORY

### Saveetha Engineering College | 2022-2026

Bachelor of Engineering in Computer Science engineering(Cybersecurity)

GPA: 8.0

### Amrita Vidyalayam | 2020-2022

Higher Secondary

76%

### Jawahar Vidyalaya | 2007-2020

Senior Secondary

87%

## CERTIFICATIONS

### Certifications

- Problem Solving (Basic) - **HackerRank**
- **JP Morgan & Chase** (Software Engineering Job Simulation) - **Forage**
- Google Cloud Career Launchpad Cloud Engineer track - **Google Cloud**
- Dynamic Public Speaking- **Coursera (University of Washington)**
- AI & Data certificate - **IBM Z Hackathon**
- MongoDB Basics - **ICT Academy (Learnathon)**