SUBHASHINI KUJULWA MURALIDHARAN

Email: mailto:subhashinikm86@gmail.com
LinkedIn: www.linkedin.com/in/subhashinimuralidharan
Github: https://github.com/subha-86
Phone: +91-9444928822

ABOUT ME

An undergraduate student with a strong passion for cybersecurity and software development, eager to gain practical experience and explore the field further. I have successfully completed JLPT N5 and am presently pursuing JLPT N4 to deepen my language skills and improve cross-cultural communication.

EDUCATION

Bachelor of Information Technology* | 2022 - 2026

Sastra Deemed University, Thanjavur   CGPA*- 8.58/10

Coursework : Data Structures, Database Management Systems, Operating Systems, Computer Architecture, MERN Stack, Machine Learning, Domain-Centric Security, Artificial Intelligence and Software Engineering Practices. Currently pursuing Minor Specialization in "Innovation and Entrepreneurship"

Higher Secondary Education | 2020 - 2022

DAV Girls Sr. Secondary School, Gopalapuram - Chennai   PERCENTAGE - 92

Secondary Education | 2010 - 2020

DAV Girls Sr. Secondary School, Gopalapuram - Chennai   PERCENTAGE - 98

SKILLS

LANGUAGES: C++, JAVA, SQL, HTML, CSS, Javascript and Python.
SOFT SKILLS: Collaboration, Flexibility, Effective Communication, and Critical Thinking.

PROJECTS

Generation of random sequences using DNA cryptography for OTP encryption
- Executed a collaborative project to generate random non reusable OTP key sequences from a public database to produce for authentication systems enhancing security against brute force attack.
- **Key generation:** Extraction of random strands of DNA and processing the obtained sequence.
- **Secure Key Transmission:** Utilized an asymmetric algorithm for transmission of key using public channel.
- **Key Reconstruction:** Reconstructed the key using the reverse process for secure decryption.

Secure File Vault – Secure File Storage System with AES
- Developed a Python-based GUI application for secure encryption and decryption of files and folders using AES-based cryptography, with emphasis on local data privacy, access control, and file integrity.
- **File Encryption:** Delivered robust encryption for diverse file types with optional secure shredding, enhancing local data confidentiality.
- **Data Integrity:** Ensured precise decryption and hash-based tamper detection to preserve original file quality and authenticity.

Food Recommendation Software
- Collaborative project as part of "innovation and entrepreneurship" course using human-centric design principles and machine learning techniques. Developed a user-centric food recommendation platform using MIT App Inventor aimed at improving user experience.
- **Platform Integration:** Facilitated seamless payment and ordering processes.
- **Personalization:** Utilized machine learning algorithms to analyze user preferences and provide suggestions.
- **Efficiency:** Reduced average order processing time with integrated payment solutions.

CERTIFICATIONS

- **Japanese Language Proficiency Test (JLPT):** N5 certification (2025)
- **AWS Foundation of Prompt Engineering** (2025)
- **Introduction to Cyber Security**: Simplilearn (2025)