JAGDEESH V

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https://github.com/VJagdeesh/
https://react-deployment-demo-87a82.web.app/

Summary

I am seeking a position in the Computer Science field where I can utilize my skills to further work toward personal and professional development and contribute to the organization's prosperity. Serving as an Engineer at L&T Technology Services. Worked in the industries of smart meters.

Skill Highlights

- Java
- Python
- C++
- Cryptography
- React JS
- DSA
- Linux
- AWS
- MySQL
- Object Oriented Programming

Experience

L&T Technology Services,
Engineer- 07/2022 to current
Chennai, Tamil Nadu

Worked in Front-End technologies like React JS, utilized Node JS as backend, and used PostgreSQL as a database to create interactive dashboards.

Education

B.Tech Computer Science and Engineering – (2018-2022)
SASTRA DEEMED TO BE UNIVERSITY
Thanjavur, Tamil Nadu

Languages

Languages	Level
English	Full Working Proficiency
Hindi	Full Working Proficiency
Tamil	Mother Tongue
French	Elementary

Certifications

- AWS Cloud Practitioner Certification
- HackerRank certification on Python(Basic)
- Udemy certificate on Linux Mastery: Master the Linux Command Line in 11.5 Hours
- Udemy certificate on SQL Tutorial: Learn SQL with MySQL Database - Beginner2Expert
- Gold badge in Java in HackerRank.

Projects

1. **Image encryption & decryption using Elliptic Curve Diffie Hellman with Modified Hill Cipher algorithm.**

   This project is an extension of the previous project ECCHC. This proposed algorithm uses Elliptic Curve Diffie Hellman because large-size keys can be generated and a Self-Invertible matrix is formed. For encryption and decryption, Modified Hill Cipher is used. Since Modified Hill Cipher gives more efficiency than hill cipher and it reduces the time for both encryption and decryption. In this project, in one system a user can encrypt and send that encrypted photo to other users via e-mail, WhatsApp etc. The recipient can decrypt the photo.

2. **Image encryption & decryption using the ECCHC algorithm**

   To design new hybrid image encryption and decryption technique that combines Elliptic Curve Cryptosystem with Hill Cipher (ECCHC) has been proposed to convert Hill cipher from a symmetric technique to an asymmetric one and increase its security and resist hackers. A self-Invertible key matrix is used to generate encryption and decryption secret keys. So, finding the inverse key matrix in the decryption process is not needed.

3. **Chat with Encryption and Decryption**

   To design and implement a technique that is used to send messages from client to server using various techniques like Caesar cipher, AES encryption and decryption methods.

4. **Peer to Peer file sharing**

   To Design and Implement a technique that is used to share multimedia files within the university without requiring any common servers.

5. **Interactive Dashboard**

   Developed an interactive dashboard for the day-to-day monitoring operations of Smart Meters for metrics like RC/DC and Reliability Indices using React JS, Node JS , and PostgreSQL.

Declaration

I affirm that the information provided is accurate and truthful to the best of my knowledge and belief.

(Signature)