

# V. HARATHI

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## PROFILE

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A passionate and dedicated final-year B. Tech student in Computer Science, driven by a strong desire to continuously learn and grow in the tech industry. I possess a solid foundation in DBMS, SQL, and Cryptography, along with strong problem-solving, communication, and collaborative skills. Eager to contribute to innovative projects, expand my expertise by learning from industry professionals, and make a meaningful impact in the evolving field of technology.

## EDUCATION

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### **Bachelor of technology in computer science (B. Tech)**

GITAM UNIVERSITY OF TECHNOLOGY • Bangalore • 2021 – 2025

• 8.21 (CGPA)

### **Board of Intermediate Education**

Narayana Junior College • 2019 – 2021 • 88.3%

### **State board of secondary education**

ST. Mary's high school • 2019 • 98%

## PROJECTS

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### **Secure Data Encryption System Using AES, DES, Blowfish, and RSA Algorithms**

(AES, DES, RSA, BLOWFISH, SQL)

This project refers to conducting encryption. Cryptography studies secure dispatches that allow only the sender and intended recipient to view a communication's contents. SQL is used to store the key value and encrypt data. The process involves four major algorithms, and the key is generated from the conversion of plaintext to ciphertext.

May 2024 -July 2024

### **Security analysis of communication protocols in VANETS**

(NETWORK, VANETS, V2V, HASH, DIGITAL SIGNATURE)

Developing a secure communication system for Vehicular Ad-hoc Networks (VANETs) to mitigate vulnerabilities like message tampering and impersonation attacks. Implementing the security mechanisms, including encryption techniques, digital signatures, secure key exchange, and intrusion detection systems. Validated the solution through simulation-based experiments using OMNeT++ and SUMO to ensure enhanced security and reliability in VANET protocols.

Nov 2024 – Feb 2025

## CERTIFICATIONS

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### **Official ISC 2 CC Online Self-Paced Training (Network Security and Award Earned in Security Operations (CC))**

ISC2 • 2024

### **TCS ION Career Edge - Young Professional**

TCS -- 2024

## SKILLS

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- ☐ **Programming Languages:** C, SQL, HTML, CSS, Python
- ☐ **Security & Cryptography:** Cryptography, basics of Network Security
- ☐ **Database & Systems:** DBMS
- ☐ **Concepts:** basics of OOPS, Secure Communication

## INTERESTS

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Travelling, Painting, Craft works