

# CHINTHA BHARGAVA SIVA KUMAR REDDY



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## CONTACT



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## PROFILE SUMMARY

Aspiring Mean Stack Developer with strong skills in MySQL, Express.js, Angular, and Node.js, complemented by solid knowledge of JavaScript, HTML, and CSS. Skilled in manual, functional, and API testing using tools like Postman, with a growing interest in automation. Experienced in building responsive web applications and ensuring code quality through thorough testing practices. Passionate about delivering dynamic user experiences and developing secure backend systems.

## SKILLS

**Frontend :** Angular, HTML5, CSS3, Bootstrap, React.js

**Languages:** Java, JavaScript

**Backend :** Node.js, Express.js, RESTful APIs

**Database :** MySQL, PostgreSQL

**Tools & Platforms :** Git, GitHub, Postman,

**Testing:** Manual Testing, API Testing(postman)

## PROJECTS

### Semi-Supervised Machine Learning Approach For DDOS Detection (B.Tech - Main Project)

- Implemented Naïve Bayes and Random Forest algorithms for DDoS attack detection.
- Improved detection accuracy by 20% using Random Forest, outperforming Naïve Bayes in identifying DDoS patterns.
- Utilized feature selection and data preprocessing techniques to improve model performance and reduce false positives.

### Encryption and Decryption: Ensuring Digital Privacy and Security (B.Tech - Mini Project)

- Designed and implemented an encryption system using public key cryptography.
- Enhanced data security protocols for secure communications.
- Integrated a user-friendly interface to demonstrate real-time encryption and decryption of messages

### E-Commerce Website (Personal Project)

- Built a full-stack shopping cart application using **Angular, Node.js, and MySQL**.
- Implemented user authentication with email-based OTP verification.
- Focused on a responsive UI and a smooth checkout flow, providing an optimized shopping experience across devices.

#### Testing:

- Conducted manual testing of the application to ensure that all user interactions, such as adding items to the cart, updating quantities, and completing purchases, functioned correctly across different browsers and devices.
- Developed automated tests using tools like Jest or Mocha to test key features like login, checkout, and cart updates.
- Utilized Postman to test and validate RESTful APIs, ensuring that the user authentication API, product retrieval API, and order processing API worked as expected under various conditions.

## EDUCATION

Bharath Institute of Higher Education and Research, Chennai  
Bachelor of Technology (B.Tech) in Computer Science and Engineering  
2019 - 2023 CGPA: 9.04

## CERTIFICATION

- Ip Managment & Technology Transfer  
Issued by NPTEL
- Web Developer (Bootstrap)  
Issued by Udemy
- Basic Java programming  
Issued by Besent Technology