

# Yaraboina Anoosha

✉ anooshareddy2003@gmail.com ☎ 7981170046 📍 Andhra Pradesh, India

🌐 <https://www.linkedin.com/in/anoosha-reddy>

## EDUCATION

### B.Tech CSE Cyber Security

Amrita Vishwa Vidyapeetham - 7.03

2021 – present

Chennai, India

### Higher Secondary Education

Narayana Junior College - 9.8

2020 – 2021

Vijayawada, India

## SKILLS

### Programming Languages

C, Java, Python

### Web Development

HTML, CSS, JavaScript, MySQL

### Tools

Wireshark, Burpsuite, Cisco Packet Tracer, Autopsy

### Other

Linux, Cryptography, Networking

## PROJECTS

### Federated Learning for IOT

Network Intrusion Detection System

2024

- Pioneered a federated learning architecture to secure IoT networks, achieving an exceptional 89% intrusion detection accuracy while preserving data privacy.
- Developed an innovative integration of NIDS into a decentralized training framework that increased anomaly detection efficiency by processing over 500 concurrent connections from diverse IoT devices in real-time.
- Created a predictive analytics model using the Gemini API that generated 50+ actionable insights on system vulnerabilities; this initiative reduced incident response times by 40%, improving overall system reliability.

### SMS Spam Detection

Text Malware Detection

2022

- Developed a sophisticated SMS spam detection system utilizing K-Nearest Neighbors, Random Forest, and Naive Bayes algorithms, resulting in an impressive reduction of 2,000 fraudulent messages within the first month. A
- achieving an impressive 94% accuracy.
- Engineered an interactive user-input system for SMS classification, utilizing advanced machine learning algorithms, resulting in an 89% precision rate.

### Better Hidden - Camouflaged Data using Steganography

Concealed Text, Audio, and Image data and created Secret Channel

2022

- Employed 5 Cryptography techniques with Password Security and accomplished PSNR value 42.5329 which proved the credibility of the Algorithms.
- Administered ReactJS and Flask, built the one required website, and performed data hiding on various file types.

## CERTIFICATES

### Google Cloud Computing Course

Certificate course by Google

### Deep Learning Model Optimization and Development

By INTEL FICE

### TCS ion Career Edge Young Professional

completing 40+ hours of online training modules and assessments

## AWARDS

Coordinated Technical Club being a Core Member - AMCFOSS Coordinated Technical Club being a Core Member - AMCFOSS

Amrita Vishwa Vidyapeetham, Chennai