

# RAGUL BALAJII

📞 9629210630    ✉ [sbragul26@gmail.com](mailto:sbragul26@gmail.com)    [in LinkedIn](#)    [Github](#)

## Education

### Coimbatore Institute Of Technology

*Master of Science in Decision and Computing Sciences*

**2023 – 2028**

*Coimbatore, Tamil Nadu*

## About

I am a passionate software developer with expertise in AI, cybersecurity, and full-stack development. Skilled in machine learning, blockchain, and automation, I have hands-on experience in building web and mobile applications. I thrive on solving real-world problems through innovative technology solutions and continuously exploring new advancements in the tech industry.

## Experience

### Bigfoot

*Web Security and Development*

**March 2023**

*Coimbatore, Tamil Nadu*

- Fixed critical bugs in web applications, ensuring seamless functionality and improved user experience.
- Modified and designed UI components to enhance usability and aesthetics, focusing on a responsive and intuitive interface.
- Configured firewalls to secure website ports, preventing unauthorized access and strengthening cybersecurity.
- Performed vulnerability assessments on web applications, identifying security risks and implementing solutions to mitigate potential threats.

## Projects

### SMS Spam Classifier | *Python*

**June 2024**

- Developed an ML-based SMS spam classifier using Python and scikit-learn for text analysis.
- Implemented Natural Language Processing (NLP) techniques to preprocess and classify messages as spam or ham.
- Trained a Supervised Learning Model on a labeled dataset to improve detection accuracy.
- Deployed the model using Flask, allowing real-time SMS classification via a web interface.

### TradeGuard | *Python, JavaScript, Move*

**March 2025**

- Built an AI-powered trading DApp on Aptos with automated risk management and liquidation prevention.
- Developed Move smart contracts for secure, transparent transactions and seamless Martian Wallet integration.
- Implemented React and Node.js to display real-time market data, AI predictions, and exchange services.
- Integrated AI-driven trading automation, enabling auto-trading, leverage adjustments, and hedging strategies.

## Technical Skills

**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL, Bash

**Developer Tools:** VS Code, Android Studio, Kali Linux Tools

**Technologies/Frameworks:** Linux, GitHub

## Extracurricular

### Binary\*Forge

*(Cybersecurity CTF Competition) — 2nd Place\**

**March 2025**

*PGS Tech*

- A highly competitive Capture The Flag (CTF) cybersecurity challenge at PGS Tech, where I tackled real-world security scenarios, including penetration testing, cryptography, reverse engineering, and exploit development. Through critical thinking and hands-on problem-solving, I successfully identified vulnerabilities, cracked encryption, and secured systems, ultimately achieving 2nd place among top cybersecurity enthusiasts.

### Aignite'25

*(AI Hackathon) — 2nd Place\**

**March 2025**

*Coimbatore Institute of Technology*

- Competed in Aignite '25, excelling in Round 1's MCQ and coding challenge to gain an advantage. In Round 2 – The Ultimate AI Hackathon, built a React and Python-based AI solution using OCR and machine learning to extract and organize handwritten prescription data. The project aimed to reduce medication errors and improve drug interaction management, securing 2nd place for its impact.