




# Raaghavi K R

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## Education

**B.Tech (Computer Science and Engineering - Cyber Security),** 2021 – present | Chennai, India  
Amrita Vishwa Vidyapeetham   
Current CGPA - 7.75


## Skills

**Programming Languages** — Python | C | Java, **Web Development** — HTML | CSS | JavaScript, **Soft Skills** — Problem Solving | Analytical Thinking | Communication | Team Collaboration | Adaptability






## Projects

- File carving tool using Java,** Java | SHA-256 2024
- Developed a Java-based file carving tool for recovering deleted or corrupted files from storage devices.
  - Successfully recovered various file types, improving data retrieval efficiency and accuracy in forensic investigations.
- Multi-Tool Web Vulnerability Scanner,** Python 3.x | HTML | Kali Linux 2023
- Developed Python3 web vulnerability scanner detecting Remote Code Execution, Reflected XSS, Template Injection, and SQL Injection attacks.
- Semantic Segmentation of Road Objects,** 2023
- Python | Google Colab | TensorFlow | Keras
- Constructed pixel-wise classification of road objects using UNet, SegNet, and DeepLab architectures in Google Colab.
  - Employed outstanding accuracy, with UNet surpassing other CNN architectures at 95%.
- Detection of Malicious URLs using Machine Learning,** 2022
- Python | NLTK | RE | Google Colab
- Built a model using lexical features and tokenization of URL strings.
  - Achieved an impressive result with an accuracy rate of 92% in distinguishing between malicious and benign URLs.




## Internship

- Cyber Security Intern,** Prasunet Pvt. Ltd.  06/2024 – 07/2024 | Remote
- Developed and implemented encryption tools, deepening understanding of cryptographic principles and security measures.
  - Enhanced understanding of network security protocols and ethical considerations.

## Certifications and Courses

- PwC Cybersecurity Launchpad**  — July, 2024 | **Young Professional certification from TCS iON Career Edge.**  — Jul-Sep, 2023 | **NPTEL certification in Ethical Hacking**  — Jan-Apr, 2023 |
- Machine Learning masterclass at Pantech e Learning Pvt Ltd, Chennai**  — Jan-Feb, 2023 |
- CISSP® - Certified Information Systems Security Professional by Simplilearn**  — 25th Oct 2022

## Technical Events

- Participated in AmritaBlock Camp as a part of Vidyut at Amrita School of Computing**  2023 | Amritapuri, India
- Innovated "Cryptonnect" website development, addressing crypto accessibility and transaction speed challenges in this National Blockchain Hackathon.
- Presented a paper on "Cybersecurity Threats in Automated Cars" at the Cyber Carnival23 at SRM University, Ramapuram**  2023 | Chennai, India
- Examined and deliberated critical vulnerabilities and advocated mitigation strategies for the emerging challenges in autonomous vehicle security.
- Attended Workshop on Ethical Hacking with Cyber Security led by Techobyte at IIT Madras Research Park**  2021 | Chennai, India
- Acquired hands-on experience in the latest techniques and tools, thereby enhancing skills in cybersecurity practices.