

R. RANJITHKUMAR

Fresher | CEH

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Summary

R. Ranjithkumar is a highly motivated fresher with a focus on Information Security and Digital Forensics. He has successfully completed projects in the areas of Fake Currency Detection and Sound Sensor-Based Emergency Vehicle Preemption System, showcasing his expertise in computer vision, Python, OpenCV, IoT, and real-time systems. His educational background includes a Master's degree in Information Security and Digital Forensics and a Bachelor's degree in Computer Science and Engineering. R. Ranjithkumar's projects demonstrate his ability to apply his skills to practical applications in financial security and fraud prevention, as well as smart transportation systems. He is seeking opportunities to contribute his knowledge and skills in the field of cybersecurity and is eager to make a positive impact in the industry.

Skills

- Metasploit
- Bash Scripting
- Burp Suite
- Wireshark
- Nmap
- Hardware and Networking
- Information Gathering (OSINT)
- Forensic Investigation
- Report Writing
- Java
- Python

Education

Karunya Institute of Science and Technology
Master of Science
Master of Science: Information Security and Digital Forensics
CGPA: 7.6

SSM Institute of Engineering and Technology
Bachelor of Engineering
Bachelor of Engineering: Computer Science and Engineering
CGPA: 7.29

M.S.P Solai Nadar Memorial Higher Secondary School
HSC
Stream: PCM (Physics, Chemistry, and Mathematics)
Percentage: 60%

Internships

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|--|-------------------|
| Hack Real time Web Application Intern | 07/2024 - Present |
| Null Class - Krishnagiri, India | |
| <ul style="list-style-type: none">• Mastering Reconnaissance• Network Vulnerability Analysis• Empowering Web application with essential security | |

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|--|-------------------|
| Internship training in Web Development | 07/2022 - 08/2022 |
| Code Bind Technologies - Coimbatore, India | |
| <ul style="list-style-type: none">• Introduction to Web Development• Learned basics of HTML, CSS• Learned basics of JavaScript | |

- Learned basics of PHP and MySQL

PROJECTS

Fake Currency Detection:

- Developed a robust Fake Currency Detection system utilizing Python and OpenCV to accurately identify counterfeit currency notes.
- The system leverages advanced image processing techniques to analyze and compare key security features such as watermarks, security threads, and micro text against predefined templates of genuine notes.
- The solution incorporates feature extraction, pattern recognition, and color/texture analysis, providing reliable classification of currency as genuine or counterfeit.
- The project demonstrates strong proficiency in computer vision and Python, with practical applications in financial security and fraud prevention.
- Key technologies: Python, OpenCV, NumPy, Machine Learning

Sound Sensor-Based Emergency Vehicle Preemption System:

- Developed a sound sensor-based Emergency Vehicle Preemption System to alleviate traffic congestion and ensure prompt passage of emergency vehicles like ambulances.
- The system utilizes microcontroller nodes, specifically Arduino, to detect the presence of an ambulance using sound sensors and Xbee protocol for communication.
- Upon detection, the system dynamically controls traffic signals to provide a clear path for the emergency vehicle, ensuring minimal travel delay and enhancing safety.
- This project demonstrates expertise in IoT, real-time systems, and embedded programming with a focus on practical applications in smart transportation systems.
- Key Technologies: Arduino, Xbee, Sound Sensors, IoT, Real-time Systems.

Certifications

- Certification in DCP (Diploma in Computer Programming) - Cadd Cae.
- The Complete Mobile Ethical Hacking Course- EC- Council.
- Certified Ethical Hacker- EC-Council (Enrolled).
- Junior Penetration Tester- TryHackMe.