

# KARTHIK RAMAKRISHNAN

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Github: <https://github.com/L3thal14> | Portfolio: <https://l3thal14.github.io/me>

## EDUCATION

- BTech Electronics and Communication Engineering, Manipal Institute of Technology, Manipal (Expected 2022). CGPA : 7.57
- Class 12, Physics, Chemistry, Maths, FIITJEE Junior College, Vijayawada. Percentage: 95.6
- Class 10, TRIPS International School, Rajahmundry. CGPA: 10

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript(ES6), SQL, HTML, CSS/Sass, Dart, C++(Arduino)
- **Libraries and Frameworks:** Flask, React.js, Express.js, Node.js, Flutter
- **Tools and Platforms:** Git, Netlify, Heroku, AWS, MongoDB Atlas, Firebase
- **Operating Systems:** Windows, Kali Linux, Ubuntu
- **Network Security Tools:** Nessus, Nmap
- **Proxies/Sniffers Tools:** Burp Suite, Wireshark, DirBuster
- **Penetration:** Testing Wireshark, Metasploit Framework

## WORK EXPERIENCE

- **Interdisciplinary Center for Cyber Security and Cyber Defense of Critical Infrastructures(C3i Center, IIT Kanpur)**  
*Incoming Vulnerability Assessment and Penetration Testing(VAPT) Intern (May 2021)*
- **Information Sharing and Analysis Center(ISAC)**  
*Research Intern (March 2021 – PRESENT)*  
Contributing to finding vulnerabilities in companies in the private and public domain for responsible disclosure.
- **Crime Free Bharat,National Technical Research Development Committee, NTRDC, India**  
*Web Development and Security Intern (February 2021 – PRESENT)*  
Working on building websites using Django Framework and fixing existing security bugs.
- **i3indya Cyber Solutions**  
*Cyber Security Intern (June 2019 – July 2019)*  
As a Penetration Testing intern, performed penetration testing for various projects undertaken by the company. Port scan servers using NMAP and close all unnecessary ports to reduce the attack surface. Performed live packet data capture with Wireshark to examine security flaws. Submitted penetration test report to the client.
- **LookAtHer Org.**  
*Co-Founder and Web Developer (June 2018 – December 2018)*  
LookAtHer is a non-profit merchandise startup headquartered in San Francisco. Developed a website with Shopify integration along with a dashboard to manage and analyse sales.

## MAJOR PROJECTS

- **Student Management System API**  
September- December 2020  
An API and a Web Application were built using Flask to get the marks, attendance, and upcoming calendar activities with Captcha bypass from SLCM Website for Manipal Academy of Higher Education(MAHE) students. Discovered security vulnerability exposing sensitive data of current students and alumni of the university.  
**Project Link:** <https://github.com/L3thal14/slcm-api-v1>
- **Zeoco: A smartphone app to manage carbon footprint index**  
May 2020- August 2020  
Our app Zeoco revolves around the idea of quantifying the implicit effect of consuming a product or utility with respect to the associated carbon footprint index - that serves as a metric - accumulated over the various processes a product/utility undergoes to finally come into being to the end customer. Zeoco tries to be as interactive as possible to help you un-trivialize decision makings in tasks like travel, shopping, electricity consumption and help you gain a different and rather numerical perspective over your daily choices.  
**Project Link:** <https://devpost.com/software/zeoco>

## AWARDS AND HONOURS

- Awarded the Tea with Director Special Award and was recognised by Manipal Institute of Technology for outstanding extracurricular achievements.
- Secured a place among the top 150 across India in InCTF Capture Flag Competition
- Awarded the Linux Foundation Training Scholarship 2018
- Intel IRIS National Science Fair 2015: Selected among the top 100 finalists across India
- Google Science Fair 2015: Selected among the top 90 regional finalists in the world