



HASHIDA HAIDROS RAHIMA MANZIL

Ph.D. Scholar

*Central University of Kerala*


## PROFILE

As a dedicated Research Fellow at the Central University of Kerala, I possess extensive expertise in computer science and a strong commitment to advancing knowledge. With a solid academic background and four years of teaching experience as an Assistant Professor, I excel in creating engaging learning environments. My goal is to leverage my passion for teaching and research to contribute to societal improvement. Eager to apply my skills in education, research, or industry, I aim to make a positive impact while continually striving for excellence in my field.

## CONTACT ME

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## ➤ WORK EXPERIENCE

### Assistant Professor

1. ST. JOSEPH ENGINEERING COLLEGE, VAMANJOOR, MANGALORE  
*15.04.2024 - Present*
2. COLLEGE OF AGRICULTURE PADANNAKKAAD, KASARAGOD  
*01.06.2019 - 31.10.2019*
3. THE COLLEGE OF APPLIED SCIENCE, CALICUT  
*12.07.2018 - 31.03.2019*
4. UNIVERSITY OF CALICUT  
*20.09.2017 - 31.03.2018*
5. MHES COLLEGE OF SCIENCE AND TECHNOLOGY, CHERANDATHUR, VADAKARA  
*22.06.2015 - 20.09.2017*

*As assistant professor at various well known institutes main responsibilities were following:*

- Subject handles were Design and analysis of Algorithms, Theory of Computation, Software analysis and Project Management, DBMS, Data Structures, Networking, etc.
- Delivering lectures for students of both Under graduate and Post graduate courses using advance teaching aids.
- Preparing students for future centric education.
- NET coaching classes for Post graduate Students.
- Conducting seminars and workshops for setting up for exams and analyzing students learning ability.

## HOBBIES

Reading  
Blog writing  
Painting  
Internet surfing  
Sudoku playing

## LANGUAGES KNOWN

English: Proficient  
Malayalam (Mother tongue)  
Hindi: Beginner

## AREA OF INTERESSET

Ethical Hacking  
Android malware analysis  
Coding and Debugging  
Designing Android apps  
and Software  
Penetration testing

## KEY STRENGTHS

Self motivated  
Dedicated  
Hardworking  
Team player  
Willingness to learn  
Troubleshooting  
Problem solving

## PERSONAL DETAILS

Date of Birth: 11.10.1990  
Mother's Name:  
Hajara Haidros  
Father's Name:  
Sayyid Haidros Koya Thangal  
Nationality: Indian  
Marital Status: Single

## ➤ PAPERS/ ARTICLES/ BOOK CHAPTERS

1. 'Detection Approaches for Android Malware: Taxonomy and Review Analysis', in Expert Systems With Applications' on 01.11.2023, DOI: <https://doi.org/10.1016/j.eswa.2023.122255>
2. 'Android Ransomware Detection using a Novel Hamming Distance based Feature Selection', in Journal of Computer Virology and Hacking Techniques' on 23.06.2023, DOI: <https://doi.org/10.1007/s11416-023-00495-w>
3. 'Android Malware Category Detection using a Novel Feature Vector-Based Machine Learning Model' in an ESCI journal named Cybersecurity on 09.03.2023, DOI: [10.1186/s42400-023-00139-y](https://doi.org/10.1186/s42400-023-00139-y)
4. 'DynaMalDroid: Dynamic Analysis-Based Detection Framework for Android Malware Using Machine Learning Techniques in IEEE Digital explorer on 17.03.2023, DOI:10.1109/ICKECS56523.2022.10060106.
5. 'COVID-Themed Android Malware Analysis and Detection Framework Based on Permissions' in Association with IEEE International Conference for Advancement in Technology (ICONAT), 2022, pp. 1-5, DOI: [10.1109/ICONAT53423.2022.9726024](https://doi.org/10.1109/ICONAT53423.2022.9726024)
6. 'An overview of Cyber security: Impacts and Mitigations', ISBN: 978-1-6654-2578-0.
7. 'DeepMetaDroid: Real-Time Android Malware Detection Using Deep Learning and Metadata Features', in Cloud Computing and Data Science on 20.05.2024, Volume 5, Issue 2, DOI: <https://doi.org/10.37256/ccds.5220244503>

## ADDITIONAL QUALIFICATION

Qualified UGC NET Qualified  
UGC National Fellowship for  
OBC

## COMPUTER SKILLS

### Operating Systems:

Windows, Linux, Android, Kali-Linux

### Applications:

MS Office, Overleaf Latex, CSS, Corel draw, Smart draw

### Programming Languages:

C, C++, Python, Java, MATLAB, VB.Net, PHP, Perl, HTML

### DBMS

MySQL, Oracle, SQLite

### IDE/Tools

Anaconda, Jupyter Notebook, Android Studio, ASP.NET, Eclipse, Wireshark, PuTTY, APKTool, etc.

## ➤ EDUCATION

### RESEARCH FELLOW: 2019 - PRESENT

Pursuing PhD on cyber security and machine learning from Central University of Kerala since October 21'st, 2019

### MASTER OF COMPUTER APPLICATIONS (MCA): 2011-2014

Completed MCA from National Institute of Electronics and Information Technology, Calicut (NIELIT Calicut) with 8.29 CGPA

### BACHELORS DEGREE IN COMPUTER SCIENCE: 2008-2011

Completed B.Sc. from Providence Women's College, Calicut with 88%

## ➤ PROJECT EXPERIENCE

### Fast Finger First Mobile Application:

An Android application to practice fast finger questions in Malayalam language.

### E-mail Client Application with Rabbit Algorithm for Android Smart Phone:

An Email client application integrated with Rabbit Encryption. With the support of Google Mail Service this app enables secured transaction of confidential email text content

### Arts Club Management System:

This is an interactive system for managing all events of an arts club.

### Software Project Management System:

This is a website which manages all project quotations of an IT firm.

## ➤ CONFERENCES

1. Presented a paper titled '**DynaMalDroid: Dynamic Analysis-Based Detection Framework for Android Malware Using Machine Learning Techniques**' in IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS-2022) organized by the SJC Institute of Technology, Chickballapur, India on December 28-29, 2022.
2. Presented a paper titled '**COVID-Themed Android Malware Analysis and Detection Framework Based on Permissions in IEEE Sponsored, International Conference for Advancement in Technology 2022 (ICONAT 2022) Goa, India.**
3. Presented a paper titled '**An overview of Cyber security: Impacts and Mitigations**' in National conference on Data mining and predictive analysis 2019 held at central university of Kerala

## ➤ WORKSHOPS/EVENTS

- Participated as a resource person for the two technical sessions of the Workshop on "**Cyber Security for Child's Safety**" held on 24th September 2022 at S.N. Vidyamandir Senior Secondary School, Kannur, organized by **Swadeshi Science Movement, Kerala** with the support of **Department of Science & Technology, Govt. of India.**
- Took sessions on workshop '**Introduction to Python**' held at **Central University of Kerala**, on August 25th 2022, organized by **Innovation and Entrepreneurship Development Centre (IEDC).**
- **Kerala police congress** organized by Kerala police academy and department of computer applications CUSAT
- **AICTE ATAL online National Faculty Development Program on Cyber Security** on 01-02-2021 to 05-02-2021.
- **Kerala reboot Hackathon 2019** held at Govt Poly technic college, Periy, Kasaragode.

- **National workshop on AI and Robotics 2019** conducted by Central university Kerala
- **National workshop on Deep learning: Bridging theory and practice 2017** organized by University of Calicut
- **Workshop on Python programming for beginners** conducted by University of Calicut.



## **PATENT**

- **Design Patent: ML based Android Ransomware Detection Device. Application Number: 405816-001, Date of Registration: 27/01/2024, Date of Issue: 01/03/2024.**