

Sam MG Harish

[Website](#) | [Github](#) | [LinkedIn](#) | [Email](#) | +91 8680846048

PROFILE

Student with skills in Android reversing and working in both team-based and independent projects. Software Developer equipped with secure coding, debugging, and project management abilities. Performing project goals consistently with elegant and scalable code.

EDUCATION

Amrita Vishwa Vidyapeetham

B.Tech CSE (Specialization: Cyber Security) (CGPA: 7.34/10.0)

Kollam, Kerala

August 2023 – Present

Vidya Mandir Estancia

Senior High School (Percentage: 72.6%)

Guduvancherry, Chennai

June 2021 – May 2023

EXPERIENCE/APPRENTICESHIP

Team bi0s

Mobile Security Researcher

Kollam, Kerala

February 2024 – Present

- Reverse engineer APKs to identify security vulnerabilities, uncover hidden bugs and contributing to improve security measures.
- Solving Different Categories of Capture The Flag (CTF) challenges.
- Create CTF Challenges for Cyber security Training, enhancing people with Reverse Engineering, Code Analysis, and Application Exploitation.

PAPER PUBLICATIONS

Enhancing Traffic Safety: Automated License Plate Recognition (ALPR) System for Effective Law Enforcement

Nov 2023 – Dec 2023

- Developed Python scripts to automate data processing tasks.
- Designed machine learning models to automate tasks and improve accuracy of predictions.
- Performed digital image processing to extract useful information from imagery.

SKILLS

Programming Languages: Python, Java, C, C++, JavaScript **Web Technologies :** HTML, CSS

Markup Languages: Markdown, XML

Tools: Git, Android Studio, JADX, IDA, HTTPToolkit, BurpSuite

Database: SQL, PostgreSQL

UI/UX Tools: Figma, Canva

Soft Skills: Problem-Solving, Critical Thinking, Project Management, Adaptability

PROJECTS

Dr01d_H4ckQu35t

May 2024 - Present

Developed and maintained Dr01d_H4ckQu35t, a comprehensive walkthrough and roadmap for Android reverse engineering and security challenges. The project documents solutions, dynamic analysis techniques, and ethical hacking practices, serving as a learning resource for mastering vulnerabilities of Android apps and instrumentation tools such as Frida.

Cryptic-CodeCruncher-s-Cache

June 2024 - Present

Developed and maintained a comprehensive repository of CTF challenge files and detailed writeups, showcasing expertise in mobile security, reverse engineering, and problem-solving across various Android and iOS CTF competitions.

Xandronyx.ML

April 2025 - June 2025

Xandronyx.ML is a comprehensive toolkit for Android malware detection. It uses multiple machine learning models to classify APK files using static analysis and includes a SHA-256-based malware hash checker with API support.

Python SHA-256 Implementation

Dec 2024 - Jan 2025

A Python package that implements the SHA-256 hashing algorithm from scratch, providing a command-line tool for hashing strings and files.

Mulyam

Oct 2024 - Oct 2024

Developed "Mulyam," an Android app using Java and native C++ for secure API key handling, enabling real-time stock data retrieval, currency conversion, and error handling with a modern Material UI.

Padmashali

May 2024 - May 2024

Developed "Padmashali," an Android app in Java to visualize the evolution of weaving technology, featuring interactive timelines, quizzes, and a modern Material UI for educational engagement.

VOLUNTEERING

BSides Kerala

Feb 2025

Ground Ops

Volunteered at BSides Kerala 2025, assisting with event coordination while attending workshops on Android app security and Azure penetration testing, and collaborating with professionals from diverse backgrounds.

Amritavarsham'71

Oct 2024

Traffic Control Coordinator

Maintaining the flow of the vehicle in the campus area and directing vehicles to the desired places.

bi0s Pentest Workshop

Sep 2024

Coordinator and Speaker

Teaching Students on how to use JADX, ADB and Genymotion to test APKs and how to reverse APKs and get the source code of it. Conducted a CTF to help them have a live demonstration on how to reverse APKs.

AmritaVaram Seminar

Oct 2023

Cybersecurity Educator

Keeping students aware of the current generation cyber-security problems and how they can avoid those issues.

Amritavarsham'70

Oct 2023

Mobility Controller

Controlled traffic flow in the campus area and helping people reach spots.

HOBBIES

Cycling: Have completed around 2000km of cycling

Application Development: Developing Android Applications using Java and XML

Listening to Music

LANGUAGES

English: Fluent (Reading, Writing, Speaking)

Tamil: Native (Reading, Writing, Speaking)

Malayalam: Basic (Understanding, Speaking)

Telugu: Basic (Understanding, Speaking)