

Sam MG Harish

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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 Computer Science (Cyber Security) (CGPA: 7.34/10.0)

Kollam, Kerala

August 2023 – Present

Vidya Mandir Estancia

Senior High School

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: An 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++

Markup Languages: Markdown, XML

Tools: Git, VS Code, Android Studio, JADX

Database: SQL, PostgreSQL

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

VOLUNTEERING

BSides Kerala

Ground Ops

Feb 2025

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

Traffic Control Coordinator

Oct 2024

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

bi0s Pentest Workshop

Coordinator and Speaker

Sep 2024

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

Cybersecurity Educator

Oct 2023

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

Amritavarsham'70

Mobility Controller

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

Oct 2023

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: Fluent (Reading, Writing, Speaking)

Malayalam: Basic (Understanding, Speaking)

Telugu: Basic (Understanding, Speaking)