

SOWMI SALTONYA M

CYBER SECURITY | NETWORKING | DEVELOPING

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PROFILE SUMMARY

Innovations are changing the way we work every day, I want to stay on top of that change and build a career in a Growing Organization, Where I can prove my abilities by accepting challenges. My current progress is learning new security skills and new approaches to develop a tools and scripts for more security purpose.

SOFT SKILLS

- Motivated Person & Good listener
- Superior Communication skill
- Continuous & strategic learner
- Great Problem - Solving skill
- Creative Thinking
- Designing - Expert

PROFESSIONAL SKILLS

- Network Security
- Penetration Testing
- Automotive Cyber Security
- Threat Analysis (TARA)
- Vulnerability Assessment
- Security Controls (Boot, Diag etc)
- Cryptography

ADDITIONAL SKILLS

- LINUX (Kali)
- MS Office
- Data Analysis
- Machine Learning
- UI (Figma)
- Website Development

EDUCATION

BACHELOR OF TECHNOLOGY : 2020 - 2024

HINDUSTAN UNIVERSITY: B.TECH Information Technology - Cyber Security | **CGPA: 8.9**

MAJOR TOPICS: Network & Information Security | Cryptography| Cyber Physical System | Security in IOT | Cyber Security Standards | Hacking using Kali Linux | ML | Cyber Security & Digital Forensic | IT data & application security | IT Physical & system security | Ethical Hacking | Embedded System

2019 - 2020	ORANGE INTERNATIONAL SCHOOL: Higher Secondary (+2)	AGGREGATE - 67%
2017 - 2018	SSV Matric Higher Secondary School: SSLC (10th)	AGGREGATE - 92%

COLLEGE PROJECTS

- 2024 - An Ensemble Framework for Network Anomaly Detection using Isolation Forest and Autoencoders (IEEE)
- 2023 - Investigation of the network in Intrusion detection using data visualization
- 2022 - Driver Fatigue Detection using python -Machine Learning
- 2021 - Log4J Vulnerability Analyzer, Fetcher

ACHIEVEMENTS AND AWARDS

- **Smart India Hackathon (2022) Runner-up in Grand Finale**
(Vehicle Number Plate Recognition using normal Surveillance Camera)
- IGI Global Book Chapter Published " AIOT Revolution - Enhancing Network productivity in the digital age
- Gyan Disha Winner 2024

JOB EXPERIENCES: 2021 - 2022

COMPANY: Decathlon Private Limited
JOB POSITION: Data Analyst & CRM - PART TIME
SKILLS GAINED:

- Data Analysis**
- Proficient in MS Excel, Python
 - Experienced with Power BI - Strong statistical analysis and data visualization skills
 - Database management - DAILY REPORTING
- CRM:**
- Skilled in customer segmentation and campaign management
 - Strong project management and customer service skills
 - Critical thinking and problem-solving

INTERNSHIP: 2024 Jan - Ongoing

COMPANY: Valeo India Pvt Ltd
Role: - Intern - Automotive Cyber Security Engineer
Skills Gained: TARA \ SeCo | CAN \ LIN \ ETHERNET \ UART | UDS INTERFACES \ ASPICE \ ASIL
Joined as a fresher and first 2 months took a training, which covered multiple aspect from basics of Automotive

- TRAININGS:** ISO21434 | AUTOSAR -Introduction | Security Risk Analysis | Security Concepts
- Worked on STRIDE based Threat Analysis and Risk Assessment
 - Designed security concepts for identified threat at system level
 - Derived security concepts requirement for securing Debug interface, Securing Diagnostics and secure concepts for Ultrasonic 12 channel sensor, Camera sensor, Ultrasonic Sensor and Radar projects, TRATON Scania & MAN (Driver Display & CID) project.
 - Developed an automation tool for generating CAL (Cyber Security Assurance Level) Value by using python and also for generating work products like “CYBER SECURITY SAFETY CONSOLIDATION” & SeCASE. -> This tool is released offically in Valeo office worldwide and got appreciation. (Mainly used to reduce efficiency)

SKILL SET SUMMARY

Controller Family worked on	NXPS32K, Renesas RH850, Camera Contoller, S32K144HFVL
Programming & Scripting Language	Python, VBA Scripting, Office Script
Software tools - Requirements	DOORS
Other Tool	JIRA(Query Management)
Standards	ISO21434, ISO27001, ASPICE, ASIL
Operating System	Linux, Windows, AutoSAR - Basic

COURSES AND CERTIFICATION

- 2022 ISO/IEC 27001 Information security associate (Credential ID 74538477166548)
- 2022 Microsoft Power BI Data Analytics (Course Completion - Credential ID S1698135)
- 2023 Case File from Cyber Institute (<https://courses.thecyberinst.org/certificates/hbipywcvdy>)
- 2024 IoT Hardware Hacking: Att(ack)ing I2C (CERTIFICATE ID: 669e182a55f369cbd50b560d) from ExpIIOT
- 2024 IoT Product Security with Compliance Standards (CERTIFICATE ID: 669648dd824836e4710bcd1c)
- 2024 Certified Ethical Hacker - In progress