

Work Experience

Information Security Engineer( Analytics)|  
PhonePe

(Aug 2024–Present)

Brand Abuse Monitoring(Python, ELK Stack ,  
Transformers, gpt-4o)

- Vendor efficiency evaluation through automated incident probe and validation using AI agents and creation of analytical insights.
- Review and triage of anti-phishing and email security issues and automation of the process

Senior Data Scientist | ICICI Bank

(July 2022–May 2024 )

VRM: (SQL,Python,MS-Excel)

Unified framework for managing customer relationships.

- **Driving Adoption: 2x** call volume increment month on month for more than six months.
- Around **2x** increment in new RMs signing up for VRM month on month for over 6 months.
- **Migration:** Integrating existing systems of customer communication to the VRM framework.

VRM-HR(Python,Machine Learning, Flask):

- Designed an algorithm to determine optimal branch visit order for employee relationship managers and integrating it to the branch recommendation model.
- Improving the existing branch recommendation model to restrict recommendations to single region.

Technical Content Engineer

Intern(CyberSecurity) | GeeksforGeeks

(April 2019–February 2020)

- Created articles related to cyber security. The article titled “How to get started in bug bounty” has been trending on the site for multiple times

Technical Author(Cyber Security)(Part Time)|  
Techworm Inc.(May 2015–April 2017)

- Created tech articles and tutorials with a focus on cyber security.

Achievements

- Among top 100 researchers worldwide on Hackerone Programs of Slack, HackerOne, LaunchDarkly, Rockstar Games.
- Finalist in HackITK 2022 Startup Track.
- AIR 2562 in GATE 2020.
- Responsible Vulnerability Disclosure Acknowledgements from AT&T, Playstation, Hyatt Hotels, US Deptt. of Defence , BugCrowd etc.
- 5 Stars in Problem Solving on Hackerrank

Education

M.Tech.| Indian Institute of Technology  
Palakkad

Data Science

Class of 2022

B.Tech.| GLA University , Mathura

Computer Science and Engineering

Class of 2018

Projects

Nagatra Sandbox- ML powered automated  
malware analysis suite.

Jul 2021–May 2022

(Jul 2021–May 2022)

- Supports static,dynamic and memory analysis of samples of Windows and Linux. Also supports static analysis of PDF and Android samples.
- Supports ML based and Yara rules based malware classification .

Cloud-Based Application for Object Annotation  
and Video Feed Descriptions:

- Developed a cloud-based application focusing on object annotation and the generation of video feed descriptions. Leveraged MS-COCO and ML5.js for seamless integration of object recognition and machine learning capabilities.

Illegally Parked Vehicle Detector

(Jul 2017–May 2018)

- Detecting a parked vehicle in a user specified no parking zone based on video footage.

Google Chrome Extension for Techworm.

(Jan 2017– Jun 2017)

- Browser extension to allow users to manage content, notifications and newsletter subscription.

Positions of Responsibility

- Vice President of GLA University's Cyber Security Club for the year 2017-18.
- Coordinator in National Cyber Security Conference 2018 held at Manav Rachna University.

Tools and Skills

- Web Application Security Testing,Malware Analysis , Machine Learning, API Security Testing , Deep Learning,Computer Networks
- BurpSuite, Tensorflow, AWS, GraphQL, Postman,NMap,Wireshark, Ghidra, SQL, Python, Flask, Zendesk,C, AWS