

Viketan D Revankar

Data science practitioner | Security Analyst

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📍 Bengaluru, India

in Viketan Revankar

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Profile

- Around 2 years and 3 months of experience with rich insightful exposure in the areas of Vulnerability Management, Python scripting, and MLSecOps.

Professional Experience

Security Analyst

EY ☑

2020/10 – present | Bengaluru, India

MLSecOps (POC)

MLSecOps works to bring together ML infrastructure, and automation between developer and operations teams, with **security policies**.

- Implemented **ART library** (adversarial robustness toolbox) on **Personal loan** (Tabular data) model and **Spam Classifier** (Text data).
- Code Scans by **CodeQL** and **Secret scanning** : for checking for passwords/secrets in code and scans for known vulnerabilities in code written in Python.
- **Safety CLI**: Scanning Python and its dependencies versions against CVE Database.
- Collaborated with **Microsoft** for testing their **Azure Defender for AI** service.

Vulnerability Management

Vulnerability management is the process of identifying, evaluating, treating, and reporting security vulnerabilities in systems and the software that runs on them.

Responsibilities

- VM Scan monitoring and Ad hoc Scanning.
- Report Generation and Monthly Deliverables with **PowerBI**.
- Ad hoc requests and SNOW ad hoc tasks
- **Automating** the repetitive day-to-day tasks that save lots of time using **python scripts**
- **Integration** using **python** between bug bounty platform to Jira.

Education

B.E Computer Science (8.58 CGPA)

PES college of Engineering ☑

2016 – 2020 | Mandya, Karnataka, India

Skills

Machine Learning

regression, classification, clustering

Natural Language Processing

Bag of Word, TF-IDF, Word2Vec

Python

numpy, pandas, scikit-learn, matplotlib, seaborn, flask, nltk

SQL

Vulnerability Management

Qualys, PowerBI, Adv. Excel

Cloud

Azure machine learning studio, AWS Sagemaker

Projects

Phishing Domain Detection

2022/10 – 2022/12

- The main goal is to predict whether the domains are genuine or malicious.
- Detecting phishing websites based on the uniform resource locator (URL) properties, URL resolving metrics, and external services.
- Trained using **Random Forest Classifier**.
- Achieved a really good accuracy.
- Implemented **CI/CD** using **github Actions**.
- Deployed as web app using **FastAPI** on **AWS EC2**.

Spam Classifier ☑

spam detection on sms dataset

2022/08 – 2022/09

- Trained ML model on SMS dataset using **Bag of word** and **multinomialNB**.
- Achieved a really good accuracy of **97%**.
- Deployed as a web app with **Flask API** on **Heroku** cloud Platform.

Certificates

- Microsoft Certified: Azure AI Engineer Associate ☑
- Datacamp's Data Scientist Associate Certificate ☑

Courses

Full Stack Data Science Bootcamp (pursuing) ☑

Inueron.ai

2022/05 – present | Bengaluru, India

Appreciations

- Received multiple appreciations and spot reward from on-shore manager, senior manager as well as offshore senior manager, manager.