Viketan D Revankar

AI Security Engineer | Senior Security Consultant

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📍 Bengaluru, India   in Viketan Revankar   �ن viketan

🎓 Education

B.E Computer Science (8.58 CGPA),
PES college of Engineering 🔗
2016 – 2020 | Mandya, Karnataka, India

💼 Professional Experience

EY

Cyber AI Engineer
03/2022 – present | Bangalore, India

PII Detection System for Insurance Company
Tech Stack: Python, OpenAI GPT4, SpaCy
- Developed a high-performance NER model using spaCy and a Gen AI dataset to detect PII, achieving 86% accuracy and 84% recall.
- Automated PII detection processes, reducing manual review time and ensuring stringent compliance with GDPR and HIPAA.

Daily Threat Intel Checker (Proof of Concept)
Tech Stack: Python, Streamlit, Google Gemini Pro, FAISS, Langchain.
- Engineered a scalable framework leveraging Large Language Models to process unstructured data daily from security forums, cutting 10 hours of manual work each week.
- Fully automated threat intelligence analysis, significantly reducing manual input while enhancing data extraction accuracy.

MLSecOps (Proof of Concept)
Tech Stack: Python, Azure ML, Azure Devops, Docker.
- Contributed in the integration of ML infrastructure into operational workflows, enabling the seamless enforcement of security policies across the MLOps pipeline.
- Incorporated a suite of security tools within the pipeline, elevating the overall security posture.
- Collaborated with Microsoft to pilot Azure Defender for AI, delivering critical feedback on its deployment and security features.

Senior Security Consultant
10/2023 – present | Bangalore, India

Vulnerability Management Team Lead
- Led a team of 4 in executing and optimizing Vulnerability Management Services, resulting in a 25% faster identification of critical security vulnerabilities.
- Managed comprehensive Nessus Vulnerability Scans for external websites, identifying and mitigating 95% of high-risk vulnerabilities.
- Conducted detailed analyses and assessments, improving the accuracy of vulnerability detection by 30%.
- Delivered Executive and Governance Reports, providing actionable insights that influenced key decision-making processes.
- Streamlined reporting procedures, reducing the time to generate operational reports by 40%.

Security Analyst
10/2020 – 10/2023 | Bengaluru, India

Vulnerability Management:
- Scheduled and monitored vulnerability management scans, ensuring timely detection and remediation of security vulnerabilities.
- Published comprehensive reports and monthly insights, driving informed decision-making and continuous improvement.
- Automated routine tasks using Python scripting, increasing efficiency and reducing manual effort.
- Integrated Bug Bounty platforms with Jira, streamlining the vulnerability tracking and resolution process.

🧠 Skills

Programming Languages
Python, SQL

Libraries/Frameworks
Pandas, NumPy, TensorFlow, scikit-learn, Pytorch, Transformer, Spacy Langchain, FastAPI, Fask

Tools
PowerBI, Excel, Jupyter, VS Code

MLOps
Git, Github Action, Docker, DCV, MLFlow

Cloud
Azure, AWS

📁 Projects

Automated-Quality Inspection of Casting-Products Using CNN
09/2024 – 10/2024
Tech Stack: Python, TensorFlow, Pytorch, DVC, MLflow, Azure WebApp, Azure Container Registry, GitHub Action
- Developed a deep learning-based automated system to streamline the quality inspection process for casting products, specifically submersible pump impellers.
- Designed and trained a classification model to detect casting defects with 98% accuracy, reducing the reliance on manual inspections.
- Deployed the solution as web App(FastAPI) using Azure WebApp and Azure Container Registry, with continuous integration and deployment pipelines built using GitHub Action.

Threat Scanner for Website Genuineness Prediction
06/2024 – 07/2024
Tech Stack: Python, Scikit-learn, MLflow, FastAPI, Github Action, AWS ECR, AWS EC2
- Developed a machine learning-based system to classify websites as phishing or genuine to enhance cybersecurity awareness.
- Achieved over 98% accuracy in threat predictions while identifying key features contributing to malicious intent.
- Deployed the solution as web app(FastAPI) using AWS EC2 and AWS ECR, with continuous integration and deployment pipelines built using GitHub Action.

📚 Courses

Full Stack Data Science Bootcamp, Inueron.ai
05/2022 – 05/2023 | Bengaluru, India

🎖 Certificates

- Microsoft Certified: Azure AI Engineer Associate 🔗
- Microsoft Certified: Azure Data Scientist Associate 🔗
- Datacamps's Data Scientist Associate Certificate
- Microsoft Certified: Azure Fundamentals

🏆 Appreciations

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