Dhyey Sanghvi

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PROFESSIONAL EXPERIENCE

Cybersecurity Analyst Intern, **Projacs International | Doha, Qatar**   **May 2024 - Jul 2024**

- Engineered an Airflow-based ETL pipeline in Python and PostgreSQL processing 1TB+ telemetry, improving data fidelity and cutting latency from 2s to 300ms.
- Designed a zero-trust data lake using AWS S3, IAM, and KMS, ensuring encryption-at-rest, access logging, and compliance for 100+ enterprise users.
- Integrated CloudTrail logs with Elasticsearch to automate anomaly detection, enhancing visibility across 12 construction regions and reducing detection time by 40%.
- Automated log normalization in Python to standardize JSON formats for SIEM ingestion, improving alert accuracy and cutting triage time by 35%.

Office Data Aide, **Human Resources Office - ASU | Tempe, AZ**   **Aug 2023 - Jan 2024**

- Automated HR record validation using Python and Excel macros, reducing manual data entry time by 75% and ensuring consistent data accuracy across 350+ faculty profiles.
- Designed and maintained SQL-based relational databases for onboarding and payroll workflows, cutting query response times by 4× and improving retrieval efficiency for 20+ daily HR requests.
- Implemented access control reviews with IT using role-based permissions to safeguard sensitive employee information, ensuring compliance with FERPA and ASU data privacy policies.
- Created Python audit scripts to identify data anomalies and duplicate entries, enhancing reporting integrity and supporting quarterly compliance audits with zero record discrepancies.

Cybersecurity and IT Intern, **Keepet Containers | Gujarat, India**   **May 2023 - Aug 2023**

- Deployed Suricata IDS in Docker containers to monitor 50GB+ network logs daily, reducing false-positive alerts by 26% through optimized rule configuration.
- Conducted vulnerability assessments using Metasploit and Burp Suite, identifying 12 critical exploits in internal VLANs and strengthening container security posture.
- Configured Elasticsearch pipelines to correlate multi-source logs from firewalls, DHCP, and app servers, improving incident traceability and achieving 99.2% SLA adherence.
- Delivered CIS-aligned vulnerability reports preventing $25K potential data loss, elevating vendor compliance and executive awareness of infrastructure risk.

EDUCATION

Arizona State University - *Bachelor of Science Computer Science (Cybersecurity),*   **May 2026**
Minor: Mathematics | Certified in Business Data Analytics

PROJECTS

Healthcare Automation System

- Developed a multi-role access-controlled healthcare system, processing 5K+ patient records securely with input validation and logging, achieving 40% faster record retrieval and lower data exposure risk.

Face Recognition Attendance System

- Implemented CNN-based face recognition models with real-time video feeds, automating attendance for 100+ users and achieving latency reduction from 2s to 200ms under concurrent loads.

Customer Churn Prediction System

- Built a churn analytics model for 50K+ customers, identifying high-risk users, recovering $40K in potential revenue leakage, and visualizing retention KPIs through Tableau dashboards.

SKILLS

Security & Monitoring : Suricata IDS, Metasploit, Burp Suite, Elasticsearch, IBM QRadar, Wireshark, IAM, CIS/NIST Controls, Zero-Trust Architecture, Log Normalization, SIEM Pipelines, CloudTrail, Access Control Management

Programming & Databases : Python, Java, C/C++, SQL, PostgreSQL, MySQL, SQLite, R, VBA, JavaFX, JDBC, Excel Macros

Cloud & Infrastructure : AWS S3, IAM, KMS, CloudTrail, GCP, Docker, Apache Airflow, CI/CD Pipelines, Cloud-based Data Lakes, Role-Based Access Control

AI, ML & Data Frameworks : TensorFlow, scikit-learn, OpenCV, CNNs, Apache Spark, Predictive Modeling, Data Analytics, Feature Engineering

Visualization & Analytics : Tableau, Power BI, Matplotlib, seaborn, Interactive Dashboards, KPI Reporting, SQL-based Analytics