Reshma Manoj Kumar

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Education:

- **Stevens Institute of Technology, Hoboken, NJ:** Master of Science in Computer Science   **May 2023**

Technical Skills:

- **Programming Languages:** Java, ASP.NET C#, Python, JavaScript.
- **Data Analytics & Security:** Microsoft Office tools, Data Extraction, Data Visualization | **Databases:** SQL Server, MySQL, Relational.
- **Cloud Services :** AWS, OpenStack, Salesforce, AWS Amplify.
- **IAM & Authentication:** IAM, SAML, SSO, OAuth, PAM. | **IDE:** Visual Studio Code, Eclipse, NetBeans. | **Reporting tools** : SAP BI/BO.

Work Experience

Data Analyst | Shineteck Inc., Remote, US   May 2024 - Present

- Led the development of a new reporting system, reducing report generation time by 50%. Designed and implemented predictive models that increased the accuracy by 20%. Created interactive dashboards in Tableau that improved data accessibility for stakeholders.
- Developed and maintained comprehensive dashboards and reports to monitor key performance indicators (KPIs) and presented findings to senior management for strategic decision-making. Ensured data integrity and accuracy through regular quality checks, optimized data collection processes, maintained secure data storage systems, and implemented robust data validation protocols.

Cloud Security Engineer | IBP, Fremont, CA   July 2023 - April 2024

- Conducted meticulous risk assessments and vulnerability scans of cloud infrastructure and applications, collaborating closely with cloud providers to ensure adherence to industry regulations and standards such as PCI DSS and HIPAA. Developed and maintained robust security controls, intrusion detection systems, and access controls, analyzing cloud security logs to pinpoint security incidents.
- Implemented advanced threat detection mechanisms within the cloud environment, leveraging machine learning algorithms to proactively identify and mitigate security threats before they escalate.

Data Engineering Intern | Poolular, Montville, NJ   Jan 2023 - April 2023

- Spearheaded the development of mobile applications utilizing Flutter and leveraging Python for backend scripting, ensuring seamless deployment alongside the application. Proficient in harnessing Flutter's widgets and components to craft responsive.
- Demonstrated expertise in effectively utilizing AWS datastore services to meticulously architect intricate data models and establish seamless connections between frontend Flutter pages and robust backend systems through AWS Amplify integration.

Software Developer | Matrix Solutions, Kuwait   Feb 2021 – April 2021

- Developed web applications utilizing ASP.NET C# framework, integrating MS SQL queries to retrieve and manage banking data tailored for retail banking users, ensuring efficient and secure data handling.
- Designed and implemented a Bank Login user application using C# within Visual Studio 2019, catering to the specific requirements of a banking client, thereby facilitating seamless user authentication and access to banking services.

Technical Analyst | Kuwait Application Service Provider, Kuwait   June 2018 - April 2019

- Conducted regular risk assessments and audits, achieving a 95% success rate in identifying vulnerabilities and threats to data security infrastructure and systems.
- Implemented data governance measures, resulting in a 90% reduction in data security incidents following the risk assessments.
- Led a data quality improvement initiative, resulting in an 85% decrease in data errors and inconsistencies within BI reports and systems, enhancing decision-making accuracy.

IT Analyst | Burgan Bank, Kuwait   Dec 2017 - May 2018

- Ensured compliance with data privacy regulations and standards by implementing privacy controls, conducting privacy impact assessments, and facilitating data subject access requests (DSARs).
- Developed dynamic dashboards using SAP Lumira, crafting queries in Oracle SQL Developer to extract and manipulate data. Created Web Intelligence reports for retail banking, enhancing decision-making.
- Analyzed datasets for compliance with GDPR and local banking standards. Conducted data privacy impact assessments, recommending risk mitigation strategies and implementing privacy controls.

Projects

Sentimental LIAR: Analysis for Fake Claim classification

Developed "Sentimental LIAR," a deep learning model for fake claim classification using an extended corpus. Preprocessed data by normalizing, tokenizing, and cleaning text. Extracted features like sentiment scores and word embeddings to optimize model performance. Analyzed classification results to identify improvements, using SHAP and other interpretability methods to explain decisions and guide enhancements.

NYC Airbnb market (tools used : Beautiful Soup , Matplotlib ; Classification used : Random Forest)

Used Beautiful Soup to scrape NYC Airbnb data, including property details, prices, availability, host info, and reviews. Identified features like proximity to attractions, property size, and host reputation affecting rental and occupancy rates. Built and evaluated Random Forest models to predict compliance with NYC regulations using property and neighborhood data.