VINEET KUMAR LOYER

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EDUCATION

University of Southern California   Los Angeles, CA, US
Master of Science in Applied Data Science   August 2024-May 2026
Coursework - Machine Learning for Data Science, Foundations of Data Management

SRM Institute of Science and Technology   Chennai, TN, IN
Bachelor of Technology in Computer Science and Engineering   June 2017-June 2021
GPA: 3.94/4.0

EXPERIENCE

Hitachi Vantara   Pune, MH, IN
Consultant (Business Intelligence and Security)   July 2021-June 2024
- Implemented a third-party add-on for business warehousing, cutting overall testing efforts by 60% through GUI scripting
- Led a team of 4 in conducting risk assessments and resolving authorization design issues, streamlining approval workflows
- Created user documentation and security setup guidelines for greenfield projects, leading to a 20% drop in user support tickets
- Automated security month-end processes, reducing resource efforts by 12-13hr per month
- Developed custom web applications and data warehouse analytics reports tailored to business requirements, cutting down overall processing time by 50%
- Established workflows for user provisioning and role assignments through SAP GRC ARM, and EAM, ensuring compliance with SOX guidelines

Hitachi Vantara   Pune, MH, IN
Intern   February 2021-May 2021
- Developed an internal tool to streamline authorization updates from the SAP Fiori Reference Library, enhancing role design efficiency and user provisioning accuracy

PROJECTS

Multilingual Text Classification System   October 2024
- Built multilingual classifier with 78% accuracy on 10K+ Amazon reviews across English, Spanish, and French, utilizing Hugging Face transformers
- Deployed FastAPI backend with React frontend, delivering real-time classification with a response time of 250ms

Neural Style Transfer Video Processing System   October 2024
- Deployed a pipeline to process 720p videos with 40% reduction in style jitter between frames, supporting 5 pre-trained styles
- Created a Flask application for video upload and style selection, achieving 5fps processing speed on RTX 3060GPU

Real-Time Twitter Sentiment Analysis Pipeline   September 2024
- Built real-time data pipeline processing 5K tweets/hour leveraging AWS Lambda, Kinesis Data Streams and DynamoDB
- Performed sentiment analysis with 5min sliding windows, achieving sub-150ms query times on 1M+ records, while managing data lifecycle in S3 for monthly costs under 35$

SKILLS

Programming Languages - Python, SQL, JavaScript, Shell Scripting
Cloud & Data Engineering - AWS (Lambda, Kinesis, DynamoDB, CLoudWatch, S3, CDK), Apache Kafka, Spark, Docker, Cassandra, MongoDB, PostgreSQL, SQLite
Machine Learning & Data Science - PyTorch, Pandas, Numpy, NLP (BERT, Hugging Face), Scikit-Learn, OpenCV, FastAPI, Flask, React, Streamlit, Power BI
Enterprise & DevOps - SAP Fiori, SAP HANA DB, SAP Security, JIRA, Git

CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF-C02)[Dec-2023], SAP System Security (C_SECAUTH_20)[Mar-2023]

AWARDS

- Hitachi Pinnacle Award (Hitachi)(Nov-2021), Bronze Medal for exceptional project contribution (Hitachi)(Jan-2023), Silver Medal for outstanding project contributions (Hitachi)(Mar-2024)