Sanskriti Lamsal

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EDUCATION

University of Mississippi, *B.S. in Computer Science | GPA: 3.8*   May 2020
Certificates: AWS Certified Solutions Architect and **Google Cloud Certified Engineer**

WORK EXPERIENCE

Software Engineer – company1, Chicago, IL   May 2020 - Present
Reinvent and modernize client's existing digital platforms, products, and experiences to move their business forward.

Southwest Airlines:
- Engineered high-performance API migration from on-premises to cloud, handling 300 million daily requests (1 billion during peak sales)
- Implemented scalable architecture using AWS Lambda, Python, and serverless framework to manage high-volume data processing
- Optimized data storage and retrieval using DynamoDB and S3 buckets, ensuring system reliability during traffic spikes

Ford
- Collaborated with machine learning and data analysis teams to develop parts recommendation engine for Ford dealers using Vertex AI and Google Cloud
- Utilized Docker containers for consistent development and deployment environments
- Implemented SQL queries for efficient data retrieval and processing
- Communicated complex technical concepts to stakeholders, ensuring alignment with business objectives
- Build data pipeline to ingest vehicle data in real-time, store and complete analysis and deliver robust reporting solution that allows fleet managers to get a summary of fleet activity. Translate business requirements for the end-user experience, and other design specifications into high-quality, production-ready code

T-Mobile
- Designed and implemented data orchestration pipeline, integrating web scraping and API data sources
- Developed data processing workflow using AWS services (DynamoDB, Lambda, Step Functions, Dead letter queue, SQS, SNS, CloudWatch alarms) to handle multi-stage data transformations. Transformed data to then store in dynamo database and send that data to 3rd party API.
- Created robust error handling and monitoring systems to ensure data integrity and pipeline reliability

CapitalOne
- Worked on ease web mobile banking platform where she was part of Online Account Opening team. Worked on remediating several vulnerabilities/white source findings and modifying/ adding AWS Lambda for several tasks as HSHD findings and Account number tokenization.
- Developed a Unified Feature Registration portal aimed to improve the efficiency and effectiveness of the feature registration process by developing a new self-service workflow in node.

Software Engineering Intern – **company2**, Boston, MA   June - Aug 2019
- Created Product Engineering Methodologies content site. Used Drupal, Vue, and PHP and hosted the site on Acquia

LEADERSHIP EXPERIENCE

Resident Advisor and Engineering Ambassador - University of Mississippi
Agile Coach – Dev mentor at AgileAcademy.io. Helped 20+ student break into tech

PROJECTS

Talk to the Hand – Stanford Hackathon 2020 (Winner - Most Sustainable Hack) :
Chitthi – Microsoft Azure AI Hackathon (Winner -Popular Choice Award):

SKILLS: JavaScript, TypeScript, Java, Python, Node, DynamoDB, MongoDB, Vue, Angular, Node, REST API, Ionic, Excellent communication, problem-solving, collaboration in fast-paced environments, Familiarity with ML workflows and recommendation systems