SREEKAVYA KASHAMSHETTY

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EDUCATION

Indiana University Bloomington **Aug 2022 – May 2024**
Master of Science in Computer Science *GPA - 3.97/4.0*

Maulana Azad National Institute of Technology, Bhopal **Aug 2016 – May 2020**
Bachelor of Technology in Computer Science *GPA - 8.47/10.0*

TECHNICAL SKILLS

Languages: Python, C++, MYSQL, Shell scripting, JavaScript, Ansible
Tools & Technologies: React, Flask, AWS Cloud Services, AWS Lambda, SQS, IAM, SNS, Terraform, Docker, Apache-Airflow, Jira, Agile, GIT, Jupyter Notebook, Grafana
Coursework: Software Engineering, Data Structures and Algorithms, Applied Machine Learning, Operating System(OS), DBMS, Data Mining, Computer Networks, Elements of Artificial Intelligence, Database Design, Search in Information Retrieval, Object Oriented Programming(OOPs)

WORK EXPERIENCE

AMAZON, *Programmer Analyst, Payment Risk Engineering* **India, Aug 2021 – July 2022**
- As a member of Infrastructure Development team, collaborated within cross-functional teams, demonstrating effective communication to achieve common objectives and cultivate a positive team environment.
- I actively contributed to various initiatives that includes: **CloudAuth integration** for Tier2 services with zero downtime enhancing security and access control.
- Migrating services from **SSL to TCP VIPs** optimizing network configurations and transitioning services from **CSRF Global keys** deprecation.
- Aligning our infrastructure with evolving needs, orchestrated the migration of existing services from **MAWS to NAWS** and leveraging AWS capabilities to the fullest.
- **Software Risk Mitigation:** Engaged in the active identification and resolution of software-related risks associated with packages, developed automation scripts to tackle and mitigate such issues reducing 75 percent of manual work.

ORACLE, *Member Technical Staff, Oracle Integration Cloud* **India, Sep 2020 – Aug 2021**
- As a DevOps engineer, worked on architecting and streamlining operational workflows, with a strong emphasis on **automation**.
- Created tailored automation scripts in python, integrated with Apache Airflow to automate diverse tasks and streamline application deployment.
- Played a vital role in establishment of new cloud regions by automating intricate processes involved in region buildout using Terraform and Python, leading to a substantial reduction of 60 percent manual effort.
- **Operational Excellence:** Timely identification of issues and resolution, specifically in addressing patch failures, I showcased proficiency in conducting root cause analysis.
- Developed automation scripts to bring up multiple instances, ensuring the uninterrupted performance of critical systems.

PROJECTS

Delivery Management System - Django, React JS, HTML, CSS, Postgresql
- Built a website featuring distinct dashboards for customers, delivery agents, and administrators. Customers can place orders and track existing ones, while agents review their assigned items for timely delivery, admins can add new services.

Classic Arcade Game - JavaScript, HTML, CSS
- Designed a web application using Document Object Model(DOM) manipulation concepts where the player has to navigate through a busy path with obstacles(stones, enemies) to reach the other side.

Automated Examination System - Python, Flask, SQL
- Created an examination website with user-friendly interface for students and instructors using cosine similarity for assessing objective and essay questions, reducing evaluation time by 30 hours.

Floor Plan Table - React JS, HTML, CSS
- A Javascript web application that takes JSON data (product names and their count) and renders them onto RU table following certain constraints.

CERTIFICATIONS

- AWS Cloud Practitioner Certification
- AWS Certified Developer Associate
- Machine Learning course from Stanford University on Coursera

ACTIVITIES & LEADERSHIP

- Core member of Roobaroo, the Cultural society of MANIT, organised inter college fests and events.