

# SREEKAVYA KASHAMSHETTY

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## EDUCATION

### Indiana University Bloomington

*Master of Science in Computer Science*

Aug 2022 – May 2024

GPA - 3.97/4.0

### Maulana Azad National Institute of Technology, Bhopal

*Bachelor of Technology in Computer Science*

Aug 2016 – May 2020

GPA - 8.47/10.0

## WORK EXPERIENCE

### AMAZON, Programmer Analyst, Payment Risk Engineering

India, Aug 2021 – July 2022

- Collaborated within cross-functional teams, demonstrating effective communication to achieve common objectives.
- Seamless and successful integration of **CloudAuth** for Tier2 service with zero downtime enhancing security and access control in a critical time schedule before Prime Day sale.
- Migration of services from **SSL to TCP VIPs** optimizing network configurations.
- Implemented code changes in Java to transition away from utilizing **global CSRF keys**, thus enhanced protection against cross-site request forgery. Documentation of all migration strategies and presenting to team before execution.
- Aligned the infrastructure with evolving needs, orchestrated the migration of existing services from **MAWS to NAWS** 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 which reduced 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** in a team of 9.
- Created tailored automation scripts in python, integrated with Apache Airflow to automate diverse tasks and streamline application deployment. Created Terraform modules for resources such as VPC, Network Firewall, and service accounts.
- 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:** Showcased proficiency in conducting root cause analysis by timely identification of issues and resolving them, specifically addressed patch failures by monitoring servers and systems when updated.
- Developed automation scripts to bring up multiple instances, ensuring the uninterrupted performance of critical systems.

## TECHNICAL SKILLS

**Languages:** Python, C++, MYSQL, Unix Shell scripting, JavaScript, Ansible

**Tools & Technologies:** React, Flask, AWS Cloud Services, AWS Lambda, SQS, IAM, SNS, Configuration Management, Terraform, YAML, Docker, Apache-Airflow, Jira, Agile, GIT Version Control, 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)

## 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 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 Certified Cloud Practitioner
- 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.