SREEKAVYA KASHAMSHETTY

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EDUCATION

Indiana University Bloomington   Aug 2022 – May 2024
Master of Science in Computer Science   *GPA - 3.95/4.0*

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++, SQL, Shell scripting, Ansible, MongoDB, HTML, CSS, Java, React, Flask

Tools & Technologies: AWS Cloud, Terraform, Docker, Apache-Airflow, Jira, Agile, GIT, Bitbucket, Microsoft VSCode, Jupyter Notebook, Spyder, Grafana

Coursework: Software Engineering, Data Structures and Algorithms, Applied Machine Learning, Operating System(OS), DBMS, Data Mining, Computer Networks, Security for Network Systems, Unix Internal Shell Programming, Elements of Artificial Intelligence, Object Oriented Programming(OOPs)

WORK EXPERIENCE

AMAZON, *Programmer Analyst*   India, Aug 2021 – July 2022

- As a member of the Payment Risk Infrastructure Development team, worked collaboratively within cross-functional teams, demonstrating strong interpersonal and communication skills to achieve shared goals and foster a positive team environment, actively contributed to several initiatives that includes:
- **Cloud Auth integration** for Tier2 services with zero downtime enhancing security and access control, migrating **SSL VIPs to TCP VIPs** optimizing network configurations, migrating services from **CSRF Global keys** deprecation.
- Orchestrated the migration of existing services from **MAWS to NAWS**, aligning our infrastructure with evolving needs. Augmented my knowledge and proficiency with AWS, leveraging its capabilities to the fullest.
- **Software Risk Mitigation:** Actively identified and resolved software-related risks associated with packages and developed automation scripts to proactively address and resolve such issues reducing 75 percent of manual work.

ORACLE, *Member Technical Staff*   India, Sep 2020 – Aug 2021

- As a DevOps engineer, worked on architecting and streamlining operational workflows, with a strong emphasis on automation and CI/CD pipelines.
- **Automation Expertise**: Proficiently harnessed technologies such as Ansible, Shell scripting, and developed custom automation scripts integrated with Apache Airflow to automate diverse tasks and streamline application deployment.
- **Cloud Region Expansion:** Actively contributed to the establishment of new cloud regions, where I played a key role in automating the intricate processes associated with region buildouts using Terraform and Python which reduced 2 days of manual effort in building new cloud region.
- **Operational Excellence:** Diligent monitoring of customer instances, enabling proactive identification and resolution of issues, I demonstrated proficiency in conducting root cause analysis, particularly in the patch failures, and created automation scripts to bring up multiple instances, ensuring the uninterrupted performance of critical systems.

PROJECTS

Delivery Management System - Django Python framework, React JS, Postgresql

- Developed a web application with three different dashboards for customers, delivery agents and Admin where customers can place an order and track existing orders. Delivery agent checks the list of assigned orders and delivers them. Admin can add new delivery services and new agents. Deployed the application on Vercel and Railway.

Hotel Booking Management System - HTML,CSS,ReactJS,Java,Springboot MySQL

- Created a user-friendly web application for hotel reservation and management, featuring dashboards, secure payment gateway, streamlining booking operations and efficient deployment on Netlify and Heroku platforms.

Stock Maintenance System - SQL, PHP, HTML, CSS

- A computer based management system to handle the information of items in the store to calculate bills. Database keeps information of available items, their prices and customer details.

CI/CD pipeline in AWS

- A continuous delivery pipeline set up that deploys a simple web application automatically anytime when source code is updated using GitHub, **AWS Elastic Beanstalk, AWS CodeBuild, and AWS CodePipeline.**

CERTIFICATIONS

- AWS Cloud Practitioner Certification
- 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.