Susmitha Yeddula

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Susmitha Yeddula Susmithay08

Profile

Aspiring engineer eager to join a organization where I can enhance my skills and knowledge. Passionate about leveraging my technical expertise to drive innovation and contribute meaningfully to the company's success while embracing new challenges.

Skills

Languages: Python, Java, C , Html, Css, Javascript, R

Databases: SQL, MongoDB, DBMS, Hadoop

DevOps & Cloud: Docker, Kubernetes, Helm, Terraform, AWS, Ansible, Azure, Openstack

Tools: Jenkins, GitHub, Bitbucket, Jira, Confluence, Prometheus, Grafana

Operating Systems: Linux, Windows

Work Experience

Devops Engineer 06/2023 – 11/2023
Stryker Corporation Bangalore, India
Vocera Operations Tools
- Implemented and maintained monitoring systems using Grafana and Prometheus and developed custom dashboards to visualize performance metrics.
- Orchestrated containerized applications using Docker and Kubernetes
- Managed CI/CD pipelines with Jenkins for seamless updates and releases

Skills: Prometheus, Grafana, Jenkins, Docker, Kubernetes
Vocera Business Intelligence
- Designed and implemented data pipelines using AWS services (Lambda, S3, CloudWatch)
- Developed machine learning models to predict and identify service health issues
- Implemented data security measures to ensure HIPAA compliance
- Utilized Terraform for infrastructure as code, improving deployment consistency

Skills: AWS services, Terraform

Post Graduate Engineer Trainee 08/2022 – 06/2023
Stryker Corporation Bangalore, India
Vocera Secure Texting
- Developed shell scripts for routine AWS resource management tasks
- Set up and maintained Jenkins pipelines for continuous integration and deployment
- Containerized microservices using Docker, improving deployment consistency
- Configured ELK stack (Elasticsearch, Logstash, Kibana) for centralized logging
- Assisted in implementing Prometheus and Grafana for monitoring and alerting

Skills: ELK,Prometheus, Grafana,Jenkins, Docker, Kubernetes
Vocera Operations Tools
- Set up auto-scaling EC2 instances for compute resources
- Implemented S3 buckets for secure file storage and Lambda functions for serverless systems
- Configured RDS instances for database management with regular backups
- Designed VPC architecture for network security and isolation
- Configured API Gateway to manage and secure API endpoints

- Wrote Ansible playbooks for automated configuration management
- Gained hands-on experience with Linux system administration and troubleshooting

Skills: Ansible,Linux,AWS EC2,AWS S3,AWS RDS,VPC,API.

Education

Master of science in Computer Science 2024 – 2026
Texas A and M university, GPA - 3.5 Corpus Christi, USA

M tech in Software Engineering (Integrated) 2018 – 2023
Vellore Institute of Technology, GPA - 8.94 Vellore, India

Board of Intermediate Education, Andhra Pradesh 2016 – 2018
Narayana junior college, GPA - 9.61 Nellore, India

Certificates

Microsoft Azure Fundamentals | AZ-900

Big Data Foundation by NASSCOM

AWS Certified Data Engineer Associate

AWS Certified Solutions Architect

AWS Certified Cloud Practitioner

Projects

Digital Authentication using Face Recognition during COVID-19
by using Python, Jupyter Notebook
- Developed a face recognition system for contactless authentication during the COVID-19 pandemic using Python and Jupyter Notebook
- Implemented the Local Binary Pattern Histogram (LBPH) algorithm to extract facial features and perform face matching
- Achieved 92% accuracy in identifying individuals even while wearing face masks

E voting system using Web Development
by using Web Development, Atom editor
- Built a secure web-based e-voting portal using HTML, CSS, JavaScript and PHP
- Designed a centralized MySQL database to store voter information, candidate details and election results
- Implemented multi-factor authentication and data encryption to ensure voting integrity

Glaucoma Detection using Convolutional Neural Network
by using Python, Jupyter Notebook
- Developed a deep learning model to detect glaucoma from retinal fundus images using Python and TensorFlow
- Designed a custom CNN architecture with 5 convolutional layers and 3 fully connected layers
- Created a user-friendly interface for ophthalmologists to upload images and get instant glaucoma risk assessment

Languages

English | Telugu | Hindi

Interests

Photography | Exploring new music | Interior Designing | Cooking