MAGESHWAR S

Software Engineer
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EDUCATION

SRM Institute of Science and Technology Chennai, India
Bachelor of Technology in Computer Science and Engineering (CGPA:8.02) **June. 2017 - June 2021**

Velammal Vidhyashram Chennai, India
Senior Secondary-CBSE 12th (81.6%) **April. 2016 - May 2017**

EXPERIENCE

COMCAST **September 2022- Present**
Software Development Engineer Chennai,India

- Contribute to the Design, development, and maintenance of a highly scalable distributed microservices application using Java, Spring/Spring Boot, REST API, AWS, Comcast Private Cloud, and NoSQL databases, driving system resilience and performance through rigorous testing and optimization. Achieved significant improvements in system uptime and response times, ensuring seamless user experience.
- Spearheaded the migration of a legacy backend application from Spring framework version 3.2.9 to 5.3.39, achieving seamless functionality continuity while resolving a critical Snyk vulnerability (severity score: 1000), thereby ensuring enhanced security and compliance.
- Implemented advanced DevSecOps practices by seamlessly integrating security tools, including SonarQube and Checkmarx, to enhance vulnerability management. Enabled IMDSv2 for AWS EC2 instances and upgraded Jackson dependencies from version 2.1.2 to 2.15.0 in pom.xml, achieving a 40% improvement in overall cyberscore.
- Integrated (CI/CD) pipelines using concourse,Github Actions resulting in a 60% reduction in deployment time.
- Utilized agile methodologies such as Scrum to facilitate team collaboration and deliver iterative software updates.
- Utilized version control systems such as Git to manage code changes and collaborate with team members.

PROJECTS

Real and Fraudulent Job Posting Prediction using Machine Learning Techniques | **Jan 2021- May-2021**

- Due to Covid-19 Pandemic, Every sector has moved to virtual mode including recruitment for various job postings in public and private sector .This allows everyone to reduce their dependency on manual efforts and since all the job postings are posted online, it gives the recruiting company or agency a wide range of area to gather the talented candidates. People who are seeking for job can also know the information of the recruiting company /sector through the internet. But all job postings which are posted in the internet recruiting sites are not real and there are fraudulent job postings also. So we try to predict the fraudulent posting and real one. so the aim of this project is to use machine learning based techniques for real or fake job prediction results in best accuracy. Here we propose a machine learning-based method to accurately predict the fraudulent jobs in the form of whether the job is real or not.

Sentiment Analysis of Twitter | **July 2019 -October-2019**

- Designed and developed a sentiment analysis system to categorize tweets from Twitter into positive and negative sentiment categories, focused on specific individuals or topics. The system accurately calculated and displayed sentiment distribution percentages, while highlighting representative top tweets from both viewpoints. Additionally, created a Python-based live tweet streaming program, leveraging relevant hashtags or individuals, to enable real-time data collection and analysis.

SKILLS

Languages: Java, Python, JavaScript, TypeScript
Frameworks: Spring, Spring Boot, NodeJS, Angular
DevTools: Git, Docker, Concourse
Cloud: AWS, Terraform
Monitoring tools: ELK, Grafana, Telemetry
Tools: Tableau, GIT, Jupyter Notebook, Python IDE, Maven, Gradle
Databases: MySQL, Cassandra, SQLite

ACHIEVEMENTS

- AWS CERTIFIED CLOUD PRACTITIONER
- AWS CLOUD QUEST: CLOUD PRACTITIONER-AWS
- REST API with Postman for beginners-Udemy
- Terraform for the Absolute Beginners with Labs-Udemy
- CRASH COURSE ON PYTHON- COURSERA