

# MAGESHWAR S

Software Engineer/ Aspiring Data Analyst/Engineer

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## EDUCATION

### SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering (CGPA:8.02)

Chennai, India

June. 2017 - June 2021

### Velammal Vidhyashram

Senior Secondary-CBSE 12th (81.6%)

Chennai, India

April. 2016 - May 2017

## EXPERIENCE

### COMCAST

Software Development Engineer

September 2022- Present

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

- Built an ML-based system to predict fake job postings using real-world datasets.
- Performed extensive data analysis and feature engineering to improve model accuracy.
- Utilized Python libraries for machine learning, data preprocessing, and visualization.
- Delivered end-to-end workflow including model training, evaluation, and result reporting.

### 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.
- 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

**Tools:** 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