Kasireddy Susmitha Reddy

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Education

GVP College of Engineering for Women | Visakhapatnam, AP   2018 - 2022

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.27

- Co-Founder and President of GVPCEW's Programming Club - PICSL
- Top 9 in Foundit (Monster) TechnoDiva Contest
- Intra-level IEEE Paper on Quantum Computing

Professional Experience

Accolite Digital | Bengaluru,Karnataka

Software Engineer | Onsite : Morgan Stanley   *September 2022 - August 2023*

Associate Software Engineer | Onsite : Morgan Stanley   *June 2022 - August 2022*

- Collaborated in an agile environment, actively contributing to the development of customer-centric solutions using Java and Spring/Spring Boot,to streamline the flow and processing of incoming cash flows by 24.5% and reducing the time to milliseconds.
- Employed microservices, RESTful APIs, and distributed tracing to optimize system performance with end-to-end testing,that resulted in a 32.1% less memory usage.

Software Engineer Intern   *February 2022 - May 2022*

- Underwent training in leading industry technologies and gained exposure by working on hands-on projects alongside.
- Developed internal application to enhance recruitment workflow via employee referrals from scratch that expedited and boosted the progress by 30 successful applications per week.

Projects

DevOps KPI Metrics Collector

A scalable Spring Boot application using Java 8, and RESTful web services that takes as input a squad id/project details via Swagger I/O and returns the DevOps KPI metrics maintained for each project on any SCM Instance at an efficiency rate of 500 JSONs per 18 ms.

Soap XML Parser

A Spring-based SOAP XML Parsing application to architect an XML Payload Instance using XPaths,Metadata and values from production databases based on BDD files to a homogenized format acting as a feeder to a complex engine, utilizing Java and SQL for data processing.

Independent Swap Financing and Equity Swap Cash Flows

- Automated portfolio accounting of hedge funds, employing Java, SQL, and Unix for backend development and data management as well as utilized Prometheus,Grafana and JProfiler to fix memory leaks that drastically enhanced the application's performance.
- Addressed production bugs and added new functionality to automate retrieving pay and rate schedules through Perl script, streamlining internal workflow for a much larger engine.
- Actively supported production issues and bug fixing, played a role in Prometheus Onboarding (Observability Stack) and Jenkins Migrations for internal squad components.

Employee Referral Tracker

A web application that allows employees to upload referral details and resume, track the status of their referral,view all recent referrals and Referral Leaderboard and allows the recruitment team to accept a referral and modify its status and download the resume and bulk - upload job postings to the portal

Suicidal Ideation Prediction on Social Media Posts using Various Neural Networks

A deep learning project that extracts live tweets from Twitter, performs feature extraction through Word Embedding and then feeds it to a model to predict the risk or suicide in an individual. Based on the risk, appropriate support measures are taken.

Certifications

J.P. Morgan Software Engineering Virtual Experience on Forage   October 2023

- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

Goldman Sachs Software Engineering Virtual Experience Program on Forage   October 2023

- Completed a simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements.
- Identified that the company was using an outdated password hashing algorithm by cracking passwords using HashCat and proposed uplifts to increase the company's level of password protection including extending minimum password length and using a dedicated hashing algorithm

Technical Skills

Programming Languages: Java , Core Java, Python, SQL,Unix
Frameworks and Libraries: Spring MVC, Spring,Data Structures and Algorithms,RESTful Web Services,Agile
Version Control: Git,CI/CD
Relational Database : Oracle(Beginner),MySQL
DB Tools : Squirrel,DBArtisan,Rapid SQL
DevOps: Prometheus(Actuator and Micrometer),Grafana(Basics)
Languages: English,Telugu