PRADEEPIKA GEDUPUDI

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EDUCATION

San José State University, San José, CA Aug 2019 to Expected May 2021
M.S. in Computer Science, GPA: 3.86
Coursework: Algorithms, Parallel Processing, Cloud Computing, NoSQL Databases, Principles of DB, Server-Side Programming

Jawaharlal Nehru Technological University, Hyderabad, India Aug 2014 to May 2018
B.Tech in Computer Science and Engineering, GPA: 3.45
Coursework: Design Patterns, Web Technologies, Operating Systems, Software Engineering, Data Mining, Distributed Systems

WORK EXPERIENCE

San Jose State University, USA Sept 2020 to Present
Graduate Instructional Assistant

- Currently mentoring undergraduate students on Database Management Systems and NoSQL Database concepts for projects
- Assisting the instructor in designing the Object-Oriented Design coursework and responsible for evaluation of **100+** student's assignments in Java

ServiceNow, Santa Clara, USA May 2020 to Aug 2020
Software Engineer Intern

- Automated the process of recording data on NOW Platform using **JavaScript**, in turn, increasing response time by **5 times** the original timeframe
- Designed and developed **RESTful APIs** to perform CRUD operations on ServiceNow Scoped applications
- Built a custom dashboard platform to monitor bot's status which reduced efforts of order management team by **50%**
- Developed a custom UI process to trigger Robotic Process Automated bots to perform jobs that mimic user from dashboard

Deloitte Consulting, India Oct 2018 to July 2019
Software Developer

- Received **Spot Award** for developing end-to-end integration services for Guidewire Underwriting Management product using **Java** and **Spring**
- Enhanced service response time by **35%** by developing hash repository using Zookeeper nodes
- Assisted in troubleshooting framework issues during the migration from Policy Center 7.x to 9.x
- Mentored junior developers during onboarding process and actively participated in all phases of **Agile** methodology

Mobigesture Software Pvt. Ltd., India May 2017 to July 2017
Web Developer Intern

- Increased efficiency by **200%** through designing a web scraper to scrape reviews from various websites using Python
- Performed sentimental analysis on scraped data and built a dashboard to show reports using **HTML, CSS** and **D3.js**

TECHNICAL SKILLS

Programming Languages	: Java, Python, JavaScript, C, SQL
Databases	: MySQL, MongoDB, Cassandra, AWS DynamoDB Oracle,
Frameworks and Web Technologies	: Spring, REST, SOAP, Node.js, Firebase, Kafka, HTML, CSS
Build/Deploy/VCS Tools	: Maven, Jenkins, Git, SVN
Container and Cloud Technologies	: Docker, Kubernetes, AWS Suite, VMware vSphere, Google AppEngine
Big Data/ML Technologies	: Spark, Scikit, NumPy, Pandas, PyTorch, TensorFlow, Tableau

ACADEMIC PROJECTS

Online Code Compiler [Java (Spring Boot) | Python | AWS Suite] Fall 2020

- Developed a cloud-native web application using Spring Boot that helps registered users prepare for coding interviews
- Leveraged AWS services like Lambda, Step Functions, Cognito to build the backend of the application and DynamoDB to store the questions and related data
- Hosted the spring-based application that compiles and executes the registered users' code against test cases in ECS cluster across multiple availability zones

AWS Suite: Lambda, Step Function, S3, DynamoDB, Cognito, API Gateway, ECS, ECR, ELB, Amplify

Twiddit [Python | MongoDB | AWS EC2] Spring 2020

- Developed an application which allows users to analyse the current trends using data from verified Twitter accounts
- Deployed MongoDB on AWS EC2 with indexing, with data distributed over 3 shards, and replicated twice to serve better queries for Twitter data

Real-Time Web Server Log Analyser [Java | Hadoop | Kafka | Spark] Spring 2020

- Developed a real-time streaming pipeline using Kafka, and analyzed data with Spark to get insights on the most commonly used HTTP response codes based on time zones
- Published data from web server access logs to HDFS, performed transformations and analyzed data using Spark SQL