SPANDANA REDDY DARA

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Dates available for Co-op or Internship: January 2024 - Dec 2024

EDUCATION

Northeastern University, Khoury College of Computer Sciences | Boston, MA *Jan 2023 – Dec 2024*
Master of Science, Computer Science (GPA: 4.0/4.0)

VNR Vignana Jyothi Institute of Engineering and Technology | India *Sep 2020*
Bachelor of Technology, Electronics and Communication Engineering (GPA: 9.24/10.0)

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, JavaScript, Typescript, jQuery, SQL, C, R
Frameworks & DB: Spring Boot, Hibernate, ReactJs, NodeJS, AngularJs, ExpressJs, Junit, Jest, Bootstrap, MySQL, MongoDB
Technologies: REST APIs, System Design, HTML, CSS, AWS, Microservices, Servlets, JSPs
Others: SAP Hybris, J2EE, Linux, Git, Jira, Bitbucket, SonarQube, Postman, JSON, SOAP, Putty, Splunk, CI/CD pipelines, Docker

WORK EXPERIENCE

Teaching Assistant for Fundamentals of Software Engineering | Northeastern University | Boston | MA *Sep 2023 – Present*
- Assisting **150+** students in designing TicTacToeGame within Covey.Town and aiding with React, TypeScript, and Jest assignments.
- Engage in grading students' assignments and conduct weekly review sessions.

Software Engineer |Deloitte | India *Jan 2021 – Dec 2022*
- Collaborated with two teams to build **two** B2C e-commerce platforms, covering traditional and multi-level marketing models. Involved in all phases of SDLC including Data-Modeling, System Analysis, Design, Planning, Estimation and Testing.
- Translated business needs into efficient Impex scripts, mapping data fields and managing complex relationships. Executed tasks across Backoffice, Smartedit, WCMS, Cron jobs, and third-party payment integrations achieving less than **5%** defects.
- Utilized **Spring MVC** framework in conjunction with **SAP Hybris** to create robust **REST APIs**, encompassing endpoints implementation, request handling, response mapping, and business logic integration to ensure seamless functionality.
- Spearheaded automated test suite creation for APIs, using **JUNIT** and **PIT**, covering **96%** of testing scenarios. Slashed link generator redirect time by **5 seconds**.
- Pioneered creation of Groovy script to rectify missing data on production, modifying over **1,000,000** customer records and developed Language Restriction feature for components, cutting software development effort by **20%.**
- Revamped functionality of front-end pages with **React.js**, crafting reusable components to boost productivity and optimizing performance through lazy loading, leading to accelerated load times by **2** seconds.

PROJECTS

Twitter Simulator (Spring MVC, Hibernate, DAO, MySQL) *Jul 2023*
- Designed Twitter simulator on **Spring MVC** by leveraging **Hibernate**, reducing data retrieval latency by **50%**. Enriched application with features like friend-request, posting a tweet, comments section and private messaging.
- Incorporated **DAO** pattern to encapsulate data access logic, resulting in **30%** reduction in code complexity.

NU Flex Course Management (React, Express, NodeJs, MongoDB) *Mar 2023*
- Built course management web application leveraging **MERN** stack and applying Http Rest APIs, achieving **98%** positive feedback. Initiated robust authentication utilizing JWT and CRYPTO-JS for password hashing.
- Crafted **12** reusable components, encompassing Forms, Events, and React Routers to augment application's features.

Student Feedback Application (Angular, Typescript, NodeJs, MongoDB) *Jan 2023*
- Created an application for students to provide feedback on courses, college and curriculum, enabling data analysis and report generation, handling over **1000** feedback entries, benefitting over **200** students.

AWARDS & ACHIEVEMENTS

- Spearheaded a team in publishing a **research paper** titled 'Facial Emotion Recognition using Convolutional Neural Networks'.
- Attained '**AWS Certified Cloud Practitioner**' certification, displaying proficiency in cloud concepts, AWS services, security, and architecture best practices, with a score of **80%**.
- Earned coveted Deloitte '**Applause Award**' for exceptional contributions to **two** critical projects.