Rachana Thota

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EMPLOYMENT HISTORY

DevOps Engineer at Gap Inc, India   *June 2018 – January 2020*

- Involved with DevOps model in building small to large-scale applications and microservices and integrating it together with the Retail domain.
- Worked in Agile teams with fast-track development to provide deliverables in line with architectural requirements as per the Architectural Review Boards guidelines.
- Worked in Test Driven Development approaches (TDD, BDD).
- Defined the API contracts with consumers and groomed the development stories with the team and secure the API's.

PROJECT AND RESEARCH

Personal Web Re-visitation by Context and Content Keywords with Relevance Feedback

- The objective was to leverage humans natural recall process of using episodic and semantic memory cues to facilitate recall and present a personal web re-visitation technique called 'Web Page Review' through context and content keywords.
- Technologies: Java (Version: Open JDK 1.8), MYSQL, HTML, CSS, JavaScript.

Handwritten Character Recognition using SURF Feature Extraction and SVM Based Classification

- Handwritten Character Recognition using SURF Feature Extraction and SVM-Based Classification It aims to process handwritten signatures by extracting Speeded Up Robust Features (SURF), to classify a test signature (Bag of Features Model) and to calculate the outcome of six tests of forgery.
- Tools used: MATLAB Version R2016B.

SKILLS

- Languages known: Core Java, C, Python, JsonIQ
- Web Technologies: HTML, CSS
- Database: MySQL, MongoDB
- Framework: Spring Boot, BDD-Cucumber, Junit, Mockito
- Operating Systems : Windows XP/7/10, macOS
- Tools: Splunk, New RELIC, Sonar, Apigee, Jenkins, Postman, MATLAB
- ORM: Hibernate (JPA)

EDUCATION

George Mason University   *Jan 2020-Dec 2021*

Master's in computer science   *CGPA: 4.00*

Relevant Graduate Coursework: Mathematical Foundations in Computer Science (CS 530), Information Security Theory and Practice (ISA 562), Fundamentals of System Programming (CS 531)

Jawaharlal Nehru Institute of Engineering and Technology   *June 2014-May 2018*

Bachelor of Engineering in Computer Science   *CGPA: 3.87*

Relevant Undergraduate Coursework: Operating Systems, Database Management Systems, Software Engineering, Information Security, Cloud Computing, Data Mining, Object-Oriented Systems, Software Project Management, Data Structures, Design and Analysis using Algorithms