

RADHIKA JOSHI

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EDUCATION

Santa Clara University, Santa Clara, CA

Fall 2022-2024

Master of Science in Computer Science and Engineering

GPA:3.5/4.0

University of Pune, Maharashtra, India

May 2018

Bachelor of Engineering in Computer Engineering

GPA: 3.7/4.0

KEY COURSEWORK

Advanced Web Programming, Machine Learning & AI, BigData, Advanced Database Systems, Operating Systems

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C++, HTML5, CSS, Bootstrap, XML Ruby

Databases: Firebase, HBase, MapReduce, MongoDB, MySQL, Oracle, Teradata

Frameworks: React.js, ExpressJS, NodeJS, Spark, Kafka, HDFS, Cucumber, Ruby on Rails

Tools: Adobe Campaign Client Console, GitLab, GitHub, SOAPUI, POSTMAN, SQLDeveloper, Splunk

PROJECT EXPERIENCE

- **Big Data**
(Kafka, Spark, Spark Streaming, Hadoop, JAVA, Python)
 - Developed a big data pipeline where Kafka Producer creates a topic from a web server log file and the structured streaming data from the topic is consumed by Spark consumer. Spark transformations and exploratory data analysis(EDA) is performed on the streaming data periodically. Finally the analysis result data is stored into HDFS in Parquet file format.
- **Full-Stack Web Applications**
 - **Image Gallery** 2023
(ReactJS,JavaScript, HTML5, CSS, Bootstrap, Cloud Firestore, Firebase)
Implemented key features such as creating a bucket to store user-uploaded images, handling user authentication and management, user profile page, providing search and filtering capabilities. Implemented client-side routing using React-Router V6, React Custom Hooks with the Cloud Firestore database, and deployed the application using Firebase Hosting.
 - **Ecommerce Application and Video Library Application for Gardening** 2022
(MongoDB, ExpressJS, ReactJS, NodeJs, JavaScript, HTML5, CSS, Bootstrap)
- **Database System Project** 2022
(C++, tuple-oriented file system that simulates a database system)
Implemented the Page File component to facilitate creation, destruction, opening & closing of paged files for I/O and the Record Based File Manager to perform insert, update, delete, read and scan operations on data records. Built Relation Manager component to facilitate table creation and deletion and tuple insertion and deletion.

WORK EXPERIENCE

DBIS Lab, Santa Clara University, CA

July 2023 - Present

Research Assistant

- Researched techniques for query scheduling and resource management for Big Data Management Systems and submitted a vision paper to the IEEE Big Data Conference 2023.

TIAA-GBS, India

July 2018-April 2022

Quality Assurance Analyst

- Worked with Adobe Campaign Client Console tool and performed validation of the entire campaign across communication channels (Email, SMS, Web UI & Push Notifications) leading to a significant rise in onboarding new customers and enhancing existing customer engagement.
- Increased operational efficiency by automating REST API testing.(Cucumber BDD Framework, Selenium)
- Performed functional testing, integration testing, system testing, data validation, Web UI & UAT Testing, Dark-Live mode Validation, A/B Testing, suppression and rule based validation for major, minor and warranty releases.

PUBLICATIONS

(Python, Matplotlib, Twitter APIs, Deep Learning, Sentiment Analysis)

2018

Filed a patent on Sarcasm Detection on Hindi Devanagari Script using LSTM-RNN artificial neural networks.