# 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

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## KEY COURSEWORK

Software Engineering, BigData, Advanced Database Systems, Operating Systems

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## TECHNICAL SKILLS

**Languages:** JavaScript, Java, Python, C++, HTML5, CSS, Bootstrap, XML
**Databases:** Firebase, HBase, MapReduce, MongoDB, MySQL, Oracle, Teradata
**Frameworks:** React.js, ExpressJS, NodeJS, Spark, Kafka, HDFS, Cucumber
**Tools:** Adobe Campaign Client Console, GitLab, GitHub, SOAPUI, POSTMAN, SQLDeveloper, Splunk

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## 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.
- **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, and implementing client-side routing using React-Router V6. Used React Custom Hooks with the Cloud Firestore database, and deployed the application using Firebase Hosting.
- **Ecommerce Application and Video Library for Gardening**                                **2022**
  **(MongoDB, ExpressJS, ReactJS, NodeJs, JavaScript, HTML5, CSS, Bootstrap)**
  - Implemented key functionalities such as user registration, login, add & remove from cart, edit item quantity, sorting, filtering and add to favourites. Developed gardening videos library with functionalities such as create, display and delete playlist, add/delete from playlist, add to watch later & mark as favourite.
- **Database System (C++,** tuple-oriented file system that simulates a database system**)**          **2022**
  - 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.

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## WORK EXPERIENCE

**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.

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## 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.