

PRIYANKA SOHANLAL JAIN

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TECHNICAL SKILLS

- **Languages:** C#, C, C++, Python, Java, HTML5, CSS3, JavaScript, Angular, JQuery, ReactJS
- **Software Development:** Redux, JDBC, REST APIs, Coral APIs, Maven, Django Rest Framework, Numpy, Pandas, AWS S3, AWS EC2, PySpark, Hadoop, Spark Dataframe, Spark RDD, MapReduce, AWS EMR, AWS RDS, PyPy, Spark Classifier, AWS Redshift, AWS Neptune, AWS Fargate, AWS Lambda, AWS Glue, .NET
- **Tools/ Frameworks:**Git, JUnit, Gitlab, Power BI, Tableau, JIRA, Mockito, Selenium, Docker, Kubernetes, Continuous Integration Jenkins
- **Databases:**NoSQL (Cassandra), MySQL, SQL, CQL, Graph DataBase, Gremlin, PostgreSQL, MongoDB
- **Relevant Interests:** Data Structure and Algorithms , Object Oriented Programming, System Design, Database Management System, Operating System, Computer Networks, Machine Learning, Deep Learning.

EDUCATION

Simon Fraser University

Master of Science - Professional Computer Science

Burnaby, Canada

September 2022 – April 2024 (Expected)

Birla Vishvakarma Mahavidyalaya

Bachelor of Technology in Information Technology with 9.39/10.00 CGPA

Anand, India

July 2018 – June 2022

TECHNICAL EXPERIENCE

SOFTWARE ENGINEER

Nokia

Ottawa, Canada

May 2023 – Ongoing

- Developed and executed comprehensive automation testing scripts in Python, improving test coverage and streamlining quality assurance processes.
- Successfully ported legacy TCL codebase to Python, enhancing code maintainability and facilitating cross-functional collaboration.

SOFTWARE DEVELOPER

Indian Space Research Organization (ISRO)

Ahmedabad, India

December 2021 – April 2022

- Developed a user-friendly Shift Management Tool to optimize allowance calculation for the finance team. Utilized Node.js libraries to enable email notifications for user requests to relevant authorities.
- Implemented an MVC architecture, interfacing with MongoDB via APIs with integrated jQuery Datatables and enhanced the tool with multiple middleware validations, import/export functionality for analysis.
- Created informative dashboards for admin teams. Automated data synchronization with HRMS through cron jobs for seamless data updates.

SOFTWARE DEVELOPER

Seaflex Technologies

Ahmedabad, India

May 2021 – November 2021

- Developed new coral APIs using AWS Fargate to handle CRUD operations for the graphDB, and migrated SQL database into graphDB using AWS RDS and AWS Neptune respectively.
- Redesigning the database using SQL and gremlin query, and handled onboarding of 10+ clients in shadow mode.

TECHNICAL PROJECTS

GUI-Based Employee Management System | Python, SQLite, Plotly, Pyqt5, Mailjet_rest

- Developed a user-friendly GUI-based Employee Management System using Pyqt5 and SQLite, enabling efficient data organization and manipulation for a hypothetical company. Designed and implemented a login page to enhance data security and user access control.
- Implemented interactive data visualization using Plotly, enabling users to explore key insights such as the number of employees, salary per position, and average salary per position. This feature enhances decision-making and data analysis capabilities for the management.
- Enhanced system functionality by integrating email communication through the use of the Mailjet API, allowing administrators to send emails to specific employees. Modified and customized the use_jet_mail.py file to enable personalized email communication within the application.

VIRTUAL EXISTENCE FOR LOCAL STORES | Python, React-Redux, Django Rest

- Spearheaded a group of 3 to design an end-to-end application along with a recommendation system for local stores to attain virtual existence to enter the online world.
- Built frontend APIs using React and handled state management using Redux Framework. Built Backend Restful APIs using Django Rest Framework for performing CRUD operations.