

PARTHAV DESAI

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SKILLS

Languages: Java, Python, JavaScript, HTML, CSS3

Frameworks/Libraries: Struts 2, Express, React.js, Node.js, Atlassian Framework

Databases: PostgreSQL, MSQl, MongoDB

WORK EXPERIENCE

Tata Consultancy Services, Toronto | Java Developer | 08/2021 – 08/2022

- Designed, executed, and maintained Selenium Web Driver (TestNg, JUnit) automated test cases for regression tests for BMO mobile application with over 100 000 users
- Performed functional testing of the front-end using Selenium (IDE and Web Driver) & created Data driven framework using Junit

Canada Revenue Agency, Ottawa | Java Web Developer | 05/2019 – 08/2019

- Created Full Stack web applications to help various departments with over 1000 users based on varying client requirements
- Utilized Java, JSP, HTML, SQL, Wet 4 CSS with Struts 2 framework to develop secure and fast web applications.
- Collaborated with a small team in an AGILE work environment to develop and up-keep safe and secure web applications.
- Completed error-checks and accuracy-checks to ensure web applications working correctly and free of any bugs

PROJECTS

M.L. For Email Headers (Honours Project)

- Developed an application which detects harmful emails; based on the headers of the email
- Followed a Data Science pipeline which consisted of collecting data, preprocessing the data, creating new features for the data, and then built machine learning models to predict the results
- Trained unsupervised and supervised models such as RNN, CNN, GBT, RFM and SVM to predict results
- Worked with Python libraries such as TensorFlow, Pandas and NumPy

Information Retrieval Systems For Tweets

- Implemented an information retrieval system to rank tweets based on search queries.
- Preprocessed tweet data base created and inverted index and then retrieved and ranked each tweet.
- Used TREC eval script to see performance of program
- Used Python and used Python library SpaCy to implement the information retrieval program.

EDUCATION

Honours BSc in Computer Science, Graduation Year 2021

- **University of Ottawa, Ottawa ON**

Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Database design, Intro to Data science, Intro to Artificial Intelligence, Discrete Mathematics, Programming Paradigms