AMAN PURANIK

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Languages: Python, Kotlin, Java, SQL, R, JavaScript, HTML/CSS, VBA

Frameworks/Technologies: NumPy, Pandas, PostgreSQL, SKlearn, Flask, Django, Bootstrap, Git, Micronaut

Work Experience

DigitalEd – Full Stack Developer Sept 2020 - Dec 2020; Waterloo, ON

- Worked on product team to re-design and develop revamped product web store from scratch
- Created REST APIs for web server to query and sort user information using **Micronaut** and **Kotlin**
- Utilised **SQL** to retrieve, update and manipulate information from **PostgreSQL** database
- Contributed to E2E testing framework using **Cypress** and **JavaScript** resulting in **60%** reduction in testing time
- Added **JOOQ** and **Micronaut Data** functionality resulting in ability to execute complex SQL queries in **Java** with increased efficiency
- Implemented API endpoint access using **Java** to fetch user information through Mobius platform
- Worked on accessibility features on Mobius platform with **JavaScript**, **HTML** and **CSS** resulting in increased usability
- Successfully identified and fixed more than **10+** critical bugs near version release

BMO – Business Analyst Jan 2020 - April 2020; Toronto, ON

- Conducted UAT and created post-testing documents while effectively communicating with stakeholders to ensure BMO software and analytical dashboards were working accordingly
- Used **VBA** to sort through large datasets and automate various reporting processes in Excel resulting in greatly increased data reporting efficiency
- Created UML diagrams to efficiently convey business requirements while modeling data flow resulting in increased efficiency in communication between business analysts and developers

Projects

Clarity – NSBE Hacks U of T (Winner of 1st place overall & Winner of best Google hack)

- Developed full stack application that utilises IBM Watson and Google speech to text APIs to provide sentiment analysis based on incoming speech to aid children on the spectrum navigate social situations
- Individually implemented IBM and Google APIs using **Python**

Fake News Predictor

- Developed **Python** application to detect authenticity of news articles using machine learning
- Created bag-of-words model based on news headlines and used a Naïve Bayes model to train and predict

Employee Management System

- Developed employee management application using **Java** and **SQLite** database, allowing for users to store and manipulate employee data using a sophisticated GUI

Education

University of Waterloo, Waterloo, ON 2018 – 2023

Candidate for Bachelor of Science, Honors Biotechnology/Economics Co-op

- Recipient of President's Scholarship (Awarded $2000)