Anshu Patel

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Education

Bachelor of Computer Science Major - Carleton University Graduated   09/2017 – 04/2022
Co-op option
Minor in Statistics
CGPA: 9.25 / 12 (B+)

Programming Languages/ Tools

Azure DevOps Databricks MS SQL Server Studio Jira Erwin Data Modeler HTML/CSS/JavaScript Node.js Express Rest API Pug JSON MongoDB Mongoose C C++ Python Java SQL PostgreSQL R Minitab SAS Microsoft 365 Microsoft Power Platform MS Office VBA Script Batch Files Linux Sharegate SharePoint Designer PointFire 365

Work Experience

IT Technician
Canada Border Services Agency (CFIA), Remote   01/2024 - Present

Databricks MS SQL Server Studio SQL Erwin Data Modeler

- Created **technical documentation** to provide the detailed guide on performing **Databricks** catalog testing.
- Utilized **MS SQL Server Studio** and **SQL queries** to perform **data profiling** on the provided dataset.
- Worked with **Erwin Data Modeler** to create and analyze the existing **data models** to confirm the connectivity between the given model and datasets.

Programmer
Canadian Food Inspection Agency (CFIA), Remote   06/2022 – 01/2024

HTML/CSS/JavaScript SharePoint VBA Script PowerApps Power Automate(flow) PowerShell Azure Development Sharegate SharePoint Designer PointFire Site Management SharePoint workflow

- Proficiently managed multiple **SharePoint sites**, including **workflow** of the site, implemented **custom script** as required, and effectively **resolved** site-related challenges to ensure seamless site functionality.
- Utilized **Sharegate** to transition **SharePoint** site content from **SharePoint on-premises** to **SharePoint Online**, by smooth and efficient transfer, minimized disruption and maintained the data integrity throughout the process.
- Deployed the **PointFire tool** throughout the organization's sites and simultaneously updating all the organization's sites with the **PointFire tool.**
- Developed **custom applications** by integrating **PowerApps** and **Power Automate** to **automate** the creation of **Microsoft Teams** and **SharePoint Sites**, significantly **reducing** the manual effort and time needed for team or site creation and database updates.

SharePoint/M365 Junior Analyst
Canadian Food Inspection Agency (CFIA), Remote   04/2021 – 06/2022

HTML/CSS/JavaScript SharePoint VBA Script PowerApps Power Automate(flow) PowerShell Azure Development Rest API

- Developed a program utilizing **Rest API** and **JSOM** to efficiently retrieve information about sites utilizing the **term store**, **term set** and **term group** enabling the team to easily access this information instead of manually searching for it.
- Developed and deployed a **custom web part** in **SharePoint Online**, seamlessly combining different Microsoft tools provided by the organization, enhanced with customized **CSS** effects, resulting in a visually appealing and engaging **user interface**.
- **Collaborated** with team members and **developed** a **PowerShell script** aimed at retrieving information on **Microsoft Teams** that have been inactive for a specified period, significantly **reduced the time complexity** involved in retrieving the results, enabling faster and more streamlined data retrieval.

Co-op developmental student
Ontario Power Generation, Pickering, Ontario   01/2020 – 08/2020

HTML/CSS/JavaScript SharePoint VBA Script Batch Files .vb Script Power Automate(flow)

- Developed a program in **MS Excel VBA** to **automate** the task of generating and saving document based off yearly schedule sheet and saving the generated copies in their designated folders.
- Designed and developed a **SharePoint** page with custom **HTML/CSS** and retrieved the data from the lists and document libraries using **JavaScript** and displayed the retrieved information in terms of carousel and kiosk.
- Implemented the built-in **app part** and **web part** to create the links list and archive items' list features.
- Used **batch script, .vb script** and **Ms Power Automated** platform to create a pdf printout in OneNote from the OneDrive location automatically everyday at specified time using windows task scheduler.

Applied Projects

Project: Developed connect4 game and launched on server   09/2020 – 12/2020

HTML/CSS/JavaScript Node.js Express Pug JSON Database Socket.io

- Designed the basic structure of the game using **HTML, CSS, JavaScript**
- Implemented game on server using **Node.js** and used **Express framework** to handle server request, to exchange data between client and server using **AJAX requests**, and integrated **pug template engine** to serve **HTML** dynamically.
- Integrated **JSON database** to store the users' information and serve the information when required.
- Used real-time web application **Socket.io** to enhance the communication between users.

Project: Basic search engine implementation   01/2021 – 04/2021

JavaScript Rest API Web Crawler MongoDB PageRank

- Implemented **Web Crawler**, **RESTful server**, and a **browser-based client interface** which allowed user to perform searches.
- Used **RESTful web server** to read data from **database**, performed required indexing, and provided relevant ranked search result for any valid request.
- Implemented boost page option to boost the search result by using **PageRank** calculation.