

Anshu Patel

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Education

Bachelor of Computer Science Major - Carleton UniversityGraduated09/2017–04/2022

Co-op option

Minor in Statistics

CGPA: 9.25 / 12 (B+)

Programming Languages/ Tools

Microsoft AzureKusto Query Language (KQL)Azure DevOpsDatabricksMS SQL Server StudioJiraErwin Data Modeler

HTML/CSS/JavaScriptNode.jsExpressRest APIPugJSONMongoDBMongooseC++PythonJavaSQLPostgreSQLR MinitabSAS

Microsoft 365Microsoft Power PlatformMS OfficeVBAScriptBatch FilesLinuxSharegateSharePoint DesignerPointFire 365

Work Experience

IT Technician

Canada Border Services Agency (CBSA), Remote01/2024 - Present

DatabricksMS SQL Server StudioSQLErwin Data ModelerMicrosoft AzureKusto Query Language (KQL)

- Implemented dashboard in **Microsoft Azure** to **monitor** the **SQL Server Database** and **Virtual Machine**'s performance by using **Kusto Query Language (KQL)**
- Worked with **Azure DevOps** services such as **Azure Repos**, **Azure boards** and **Azure Test Plan** to plan and collaborate on building and deploying applications
- Developed **source to target mapping** document by analyzing the provided datasets, which helped the team in ensuring **accurate data transformation**
- Utilized **MS SQL Server Studio** and **SQL queries** to perform **data profiling** on the provided dataset which helped in improvising data quality.
- 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), Remote06/2022–01/2024

HTML/CSS/JavaScriptSharePointVBAScriptPowerAppsPower Automate(flow)PowerShellAzure DevelopmentSharegate

SharePoint DesignerPointFireSite ManagementSharePoint 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), Remote04/2021–06/2022

HTML/CSS/JavaScriptSharePointVBAScriptPowerAppsPower Automate(flow)PowerShellAzure DevelopmentRest 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, Ontario01/2020–08/2020

HTML/CSS/JavaScriptSharePointVBAScriptBatch Files.vb ScriptPower 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 **webpart** 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 server09/2020–12/2020

HTML/CSS/JavaScriptNode.jsExpressPugJSON DatabaseSocket.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

JavaScriptRest APIWeb CrawlerMongoDBPageRank

- 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.