

Anshu Patel

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Education

Bachelor of Computer Science Major - Carleton University Graduated09/2017 – 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 APIPugJSONMongoDBMongoose.NETC#C C++PythonJavaSQLPostgreSQLRMinitabSASMicrosoft 365Microsoft Power PlatformMS OfficeVBAScriptBatch FilesLinuxSharegateSharePoint Designer

PointFire 365Git

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 improving **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.NETC#

- Managed multiple **SharePoint sites**, including **workflow** of the site, implemented **custom script**, and **resolved** site-related challenges to ensure seamless functionality
- Used **Sharegate** to **migrate SharePoint on-premises** content to **SharePoint Online**, ensuring smooth transfer, minimal disruption, and **data integrity**
- Implemented the **PointFire multilingual tool** across all organization sites, enhancing **language accessibility** and **usability** organization-wide
- Developed **custom apps** using **PowerApps** and **Power Automate** to **automate Microsoft Teams** and **SharePoint site creation**, **reducing** manual effort and time for team/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.NET

- Developed a program utilizing **Rest API** and **JSOM** to retrieve information about sites utilizing the **term store**, **term set** and **term group** enabling easy access for the team
- Developed and deployed a **custom SharePoint Online web part**, combining various Microsoft tools, enhanced with customized **CSS** effects for a visually appealing **user interface**
- Collaborated** with team members and **developed a PowerShell script** to retrieve information on inactive **Microsoft Teams**, **reducing the time complexity** and 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** generating and saving document based on yearly schedules, organized them into their designated folders
- Developed custom **SharePoint** page with **HTML/CSS**, integrated **JavaScript** to retrieve and display data from the lists and libraries in carousel and kiosk formats
- 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 Automat** 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/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