

# MANVIR RAI

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## EDUCATION

### The University of Houston

Bachelor of Science in Computer Science, Major  
Minor: Mathematics  
Major GPA: 3.52

August 2018

## EXPERIENCE

### SIEPE

10/2021 – 08/2023

- Created reusable UI components, as well as managed existing components, and developed .net minimal API endpoints to access database values for frontend.
- Wrote SQL scripts and stored procedures to access and update data in SQL server.
- Debugged client issues with frontend site by debugging backend services, stepping through SQL logs, and testing frontend components.
- Managed client specific frontend code for multiple clients.
- Provided support for existing company products by creating release items to fix any issues in monthly release as well as weekly bug fixes.

### Wipro Limited

06/2019 – 09/2021

- Created dynamic web applications for clients by leveraging existing frameworks and UI libraries.
- Wrote Python scripts to perform data validation on excel documents containing data related to oil & gas machinery and equipment. The script would validate against a standard list of values and determine how far off a value was and if it needed to be changed.

### Projects at Wipro

#### OpenFootPrint Project

02/2021 – 07/2021

- Designed and created dynamic web pages to store and access data on greenhouse emissions for The Open Group open-source project through Wipro.
- Leveraged ReactJS skills and Material UI library to create reusable components that allow the user to setup master data for web pages and go through initial setup of the website.
- Developed NodeJS scripts to delete data from the database using the APIs written for the website.

#### Chevron OSDU (Open Subsurface Data Universe) Project

10/2019 12/2020

- Created web pages for Wipro OSDU project at Chevron. The project created a Chevron subsurface platform called CSDU. The platform worked to ingest subsurface data for storage and access.
- Used Angular framework to create web pages to allow users to alter the ingestion of data into the platform, and NodeJS to create API calls to connect the UI to the databases.
- Performed stress testing of the platform using Jmeter. Captured the data from testing and presented it to the client in order to recommend ways to optimize performance of the platform.
- Provided support to the users of the platform by replicating errors and providing solutions. The solutions came in the form of changing the user's payload, restarting virtual machines hosted on Azure Cloud, going through Azure applications insight telemetry, and checking CosmosDB.
- Wrote NodeJS scripts to remove records from CosmosDB and associated records from the same database or different databases. The scripts would then re-ingest the records through provided APIs.

## SKILLS

### Computer Skills:

- |             |                |               |       |
|-------------|----------------|---------------|-------|
| • ReactJS   | • Redux / NgRx | • Material UI | • NPM |
| • AngularJS | • Javascript   | • Bootstrap   | • GIT |
| • Angular   | • HTML         | • SQL Server  |       |
| • C#        | • CSS          | • Octopus     |       |