Deval Panchal

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Key Skills

Languages: Python, JavaScript/Node, Java, C++, HTML/CSS
Libraries, Frameworks & version control: React, D3, PowerBI, jQuery, Bootstrap, Express, SCSS, Git
Database: SQL (Microsoft SQL Server, PostgreSQL), NoSQL (MongoDB, Firebase)
Concepts and Project Management Tools: REST APIs, Docker, Agile Methodologies, Trello, Unit Testing
Cloud Infrastructure: Google cloud services, Azure cloud services

Education

Ontario Tech University   2019 - 2024
Bachelor of Science (Honours), Computer Science   GPA: 3.6
Awards: President's List Designation (2021 – 2022)

Experiences

Ontario Power Generation | *Computer Developmental Student (Data Analytics)*   May 2022 – Present
- Designed and developed PowerBI dashboard for nuclear Innage Control Centre to analyze vital data point on reactor unit operations
- Built real-time interfaces for plant workers in the field using power apps for task completion and sign off
- Created, modified, and scheduled stored procedures in SQL server to maintain database and generate clean data
- Maintained and cleaned SQL queries for efficient runtimes for data retrieval and managed ETLs
- Provided support to licensed shift managers by creating and managing real-time metrics reported daily station briefs
- Generated Python scripts to automate routine tasks using the panda's library and azure cloud services
- **Technical Environment**: SQL Server, Power BI, Python

Ontario Tech University | *Software Developer Research Fellowship*   May 2021 – April 2022
- Working as a developer in a full-stack team to research, define, architect, and implement product features of a web-based language learning application
- Learned how to deploy code in a Cloud hosted environment with Docker Cloud
- Create Express REST API endpoints to feed UI components with PostgreSQL data
- Designed and developed entire pipeline for fully functioning backend, frontend, and database connection
- Integrated features with cloud services such as Google Cloud Services
- Wrote clear and concise technical documentation for internal team members
- **Technical Environment**: JavaScript, NodeJS, ReactJS, ExpressJS, PostgreSQL, Docker, GitHub, Trello

Projects

Sorting Algorithm Visualizer
ReactJS, HTML, SCSS
- Developed a web application showcasing various sorting algorithms to help users understand how they work
- Applied knowledge of data structures and algorithms to visualize various sorting algorithms
- GitHub | Website

Instagram Clone
Vue, Node/ExpressJS, MongoDB
- Developed a full-stack Instagram clone showcasing all CRUD (Create, Read, Update Delete) operations
- Worked in a team of 5 individuals each working collaboratively to create a functioning application
- GitHub