

# Abhishek Uppe

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📁 [uppeabhishek.github.io](https://github.com/uppeabhishek)

I want to enhance my skills and knowledge in Computer Science by continuous learning and contributing them to solve real-time problems, evolve in my career, and also explore more in my area of interest.

## Professional Work Experience

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- **ResMed** **Halifax, NS, Canada**  
*Software Developer (NodeJS, Typescript, ReactJS, Django, Java, MySQL)* *Jan 2023 - Present*
  - Currently Working as a Software Developer on the following project
    - **Developer Experience:** Currently Working on the Developer Portal that eases the management of MicroServices, Libraries, Pipelines and Automated Documentation.
- **Oracle** **Kitchener, ON, Canada**  
*Software Developer Coop (Java, React, MySQL)* *Sep 2022 - Dec 2022*
  - Worked as a Software Developer Coop on the following project
    - **NetSuite Next:** Worked on the product migration of **NetSuite** into **NetSuite Next** for Inventory Shipping Team aimed at optimising overall application performance for backend APIs
- **IBI Group** **Hyderabad, India**  
*Software Developer (React, Python, Django, Java, PostgreSQL)* *July 2018 - July 2021*
  - Worked as a Software Developer on the following projects
    - **ITMS : Intelligent Integrated Traffic Management System**
      - ITMS is a platform that provides various city specific services such as CCTV Camera's, Virtual Machine Board currently being used in Hyderabad, Toronto with following features.
      - **Multitenant Application:** Worked in creating a multitenant application that works as a SaaS service using AWS Infrastructure.
      - **Performance Improvements:** Worked on optimising API's using inhouse GraphQL like application that reduced the applications performance load by **30 percent**.
      - **Migration of Legacy Application:** Worked on the migration of Legacy ITMS application improving **architecture and application performance with respect in the backend**.
    - **CurblQ :**
      - CurblQ is a platform that helps cities better understand curbsides by using visualizing, managing curbside regulations, and improving the productivity of underutilized curbside spaces.
      - **Architecture Design :** Worked on architecture design aiming at creating a **multitenant, multilingual distributed system**.
      - **Map Algorithms:** Worked on creating custom Map Algorithms required in specific use cases such as getting nearest curbsides on the roads using **API's on large data set**, filtering curbsides in a specific area in using **PostgreSQL Procedures**.
      - **Integrating Map API's Services:** Worked on Integrating various Map APIs such as DeckGL, KeplerGL for data analysis and visualization of **large data sets**.

## Academic Qualifications

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- **Dalhousie University** **Halifax, NS**  
*Masters of Applied Computer Science, Grade: 4.00/4.30* *Sep 2021 - Dec 2022*
- **CVR College of Engineering (JNTUH)** **Hyderabad, India**  
*B.Tech, Computer Science and Engineering, Aggregate: 82.4%* *2014 - 2018*

## Skills

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- **Programming Languages:** Python3, Java
- **Full Stack Technologies:** HTML5, CSS3, Javascript, React, NodeJS, SpringBoot, Django
- **Databases:** MySQL, PostgreSQL, MongoDB, AWS DynamoDB, Neo4J
- **DevOps:** AWS, Docker

## Projects

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### Projects (Personal and Graduate)

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- **Pathfinding Visualizer (Javascript, ReactJS, Redux, Typescript, HTML5, CSS3)**
  - The purpose of this project is to help users easily Visualize and Understand Shortest Path Graph algorithms. Algorithms implemented are **A\*** , **Dijkstra's** , **Breadth First Search**.
  - **Github:** <https://github.com/uppeabhishek/pathfinding-visualizer/>
  - **Demo URL:** <https://uppeabhishek.github.io/pathfinding-visualizer/>
- **Document Manager (React, NodeJS, DynamoDB, AWS S3)**
  - The project aims at creating a document manager where an user can upload, download documents, extract text from documents and translate the documents. All the functionalities use remote AWS DynamoDB and other AWS Services.
  - **Github:** <https://github.com/uppeabhishek/CSCI5409-DOCSMANAGER>
- **Database Clone (Java)**
  - The project aims at replicating few SQL database features such as CRUD operations related to database, tables and replication database transactions using Java.
  - **Github:** <https://github.com/uppeabhishek/CSCI5408-DATABASE>

## Achievements

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- I was the team lead for the project on Smart India Hackathon, where we solved challenging problems posed by Government of India in a three day Hackathon.
- I was selected, completed the course of [Mission R&D](#), a non-profit organisation led by Microsoft, Adobe employees which makes students gain expertise in Computer Science Programming.

## Portfolio, GitHub and Leetcode URLs

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- Portfolio: <https://uppeabhishek.github.io/>
- GitHub: <https://github.com/uppeabhishek/>
- Leetcode: <https://leetcode.com/uppeabhishek/>