Abhishek Uppe

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uppeabhishek.github.io

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

Oracle   **Kitchener, ON, Canada**
Software Developer (Java, React, MySQL)   *Sep 2022 - Present*

- Currently working in the Oracle Netsuite in the ERP Inventory as a Full Stack Developer.
  - **NetSuite Next:** Working on the product migration of **Legacy NetSuite** into **NetSuite Next** for Inventory Shipping Team aimed at optimising overall application performance for backend APIs, **MySQL Queries and Procedures** and frontend User Interface.

IBI Group   **Hyderabad, India**
Software Developer (React, Python, Django, Java, PostgreSQL)   *July 2018 - July 2021*

- Worked as a full stack 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 Infrastrucuture.
    - **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.**
  - **CurbIQ :**
    - CurbIQ 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**.

Accolite   **Hyderabad, India**
Software Developer Intern (AngularJS, Java, Spring Boot, MySQL)   *Dec 2017 - Feb 2018*

- I worked as a Software Developer Intern, was a part of the T-Mobile Team that helped in resolving customer bugs and creating new application features using Java and Springboot.

Academic Qualifications

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

- **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

Projects (Personal and Graduate)

- **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

- 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

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