

Abhishek Uppe

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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.

Academic Qualifications

- **Dalhousie University** **Halifax, NS**
Masters of Applied Computer Science, Grade: 3.93 (A-) *Sep 2021 - Present*
- **CVR College of Engineering (JNTUH)** **Hyderabad, India**
B.Tech, Computer Science and Engineering, Aggregate: 82.4% (A+) *2014 - 2018*

Employment & Work Experience

- **IBI Group** **Hyderabad , India**
Software Developer (React, Python, Django, PostgreSQL) *Feb 2018 - July 2021*
 - Worked as a lead developer on these projects
 - **SmartCity** : Web Application where various city-specific services for the municipalities are managed.
 - **CurbiQ** : Web Application where we can understand, manage, and optimise curbsides.
 - **Design System** : Styling Framework which is used in all User Interface Products of our company.
- **Accolite** **Hyderabad , India**
Software Developer Intern (AngularJS, Spring Boot, MySQL) *Dec 2017 - Feb 2018*
 - I worked here as a Software Developer Intern, was a part of the T-Mobile Team where I have worked on Angular JS and Spring Boot.

Skills

- **Programming Languages:** Python3, Java
- **Web Technologies:** HTML5, CSS3, Javascript, Typescript, SpringBoot, React, Django
- **Databases:** MySQL, PostgreSQL, MongoDB, AWS DynamoDB, Neo4J
- **Devops:** AWS, Docker
- **AWS Services:** AWS ElasticBeanstalk, AWS Lambda, AWS S3, AWS DynamoDB, AWS VPC, Amazon Translate, Amazon Textract, Simple Email Service (SES)

Projects

Dalhousie University Graduate Projects.....

- **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>
- **Code Clone Detection (Python)**
 - The purpose of this project is to find repeated or duplicated strings in the any codebase using **Suffix Arrays** and algorithms **Barenbaum Algorithm** , **Beller Algorithm**.
 - Github: <https://github.com/uppeabhishek/CSCI6057-CODECLONEDETECTION>
- **Simple Database (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>
- **Stock Trading (Java, SpringBoot, MySQL)**
 - The purpose of the project is used to create a stock trading application with features such as buying stocks, selling stocks, user portfolio and displaying trending stocks.
 - Github: <https://github.com/uppeabhishek/CSCI5308-STOCKTRADING>

Personal Projects.....

- **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/>
- **Sorting Visualizer (Javascript, ReactJS, Redux, Typescript, HTML5, CSS3)**
 - The purpose of this project is to help users easily Visualize and Understand Sorting algorithms such as **Merge Sort** , **Quick Sort** , **Insertion Sort**, **Selection Sort**, **Bubble Sort**.
 - Github: <https://github.com/uppeabhishek/sorting-visualizer/>
 - Demo URL: <https://uppeabhishek.github.io/sorting-visualizer/>
- **Visual Cryptography Steganography (Python)**
 - The project aims at implementing algorithms for hiding encrypted text data inside images, video, audio for transmitting sensitive information using cryptography algorithms.
 - Github: <https://github.com/uppeabhishek/visual-cryptography-steganography/>

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

- Portfolio URL: <https://uppeabhishek.github.io/>