**VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR**

**HARSHAL DESHPANDE**

**Mobile:** +91-7420885315 | **Email-id :** [hdeshpande@students.vnit.ac.in](mailto:hdeshpande@students.vnit.ac.in) | **Date of Birth :** 25/01/2001 **Address :** G-102Shashwat , Gandharva Housing Society , Vishal Nagar , Pimple Nilakh , Pune-411027

**Github** : <https://github.com/harshaldeshpande01>

**Portfolio :** <https://harshaldeshpande01.github.io/>

## **CAREER OBJECTIVE**

Web development enthusiast .Dedicated hard-working and punctual individual committed to life-long learning. Looking forward to work in a competitive organization to apply and enhance my technical knowledge.

## **ACADEMIC QUALIFICATION**Enrollment no : **BT18CSE079**

Branch of Study : **Computer Science & Engineering** Current CGPA : **8.36/10**

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| **QUALIFICATION** | **INSTITUTE** | **YEAR** | **SCORE/SGPA** | **CGPA** |
| B.Tech. 4th Semester | Visvesvaraya National Institute of Technology, Nagpur | 2020 | 9.00 of 10 | 8.36 of 10 |
| B.Tech. 3rd Semester | Visvesvaraya National Institute of Technology, Nagpur | 2020 | 8.04 of 10 | 8.15 of 10 |
| B.Tech. 2nd Semester | Visvesvaraya National Institute of Technology, Nagpur | 2019 | 7.86 of 10 | 8.21 of 10 |
| B.Tech. 1st Semester | Visvesvaraya National Institute of Technology, Nagpur | 2019 | 8.57 of 10 | 8.57 of 10 |
| CLASS XII(HSC) | SNBP Jr college / HSC | 2018 | 92.15% | N.A |
| CLASS X(SSC) | K.Bajaj School / SSC | 2016 | 95.0% | N.A |

**PROJECTS**

* **Sorting Visualizer April / 2020**
* Live Demo : <https://wonderful-ptolemy-bed097.netlify.app/>
* View Code : <https://github.com/harshaldeshpande01/SortingVisualizer>
* Objective : Visualize the working of different sorting algorithms.
* Details : Used CSS animation to visualize the working of different sorting algorithms like merge sort , counting sort, insertion and bubble sort . Select an algorithm and click visualize. Now you can reset the array and repeat. Inspired from website visualalgo.com
* **Tech stack** : 1)ReactJs, HTML, CSS and Bootstrap for frontend 2)CSS media queries for animations
* **PathFinder May / 2020**
* Live Demo : <https://practical-benz-8a0ad1.netlify.app/>
* View Code : <https://github.com/harshaldeshpande01/Pathfinding-Visualizer>
* Objective: Visualize working of different pathfinding algorithms.
* Details: Using CSS animations to demonstrate some famous pathfinding algorithms like Djikstra’s , Best first search and A-star algorithm(Widely used in AI and game development)
* Steps to use the app:

1. Select an algorithm and heuristc.
2. Add walls (obstacles) using your cursor OR use random grid button to generate a random maze.
3. Visualize.
4. Reset and repeat.

* **Tech stack** : 1)ReactJs, HTML, CSS and Bootstrap for frontend 2)CSS media queries for animations
* **RealTime Chat App June / 2020**
* Live Demo : <https://eloquent-clarke-26ee61.netlify.app/>
* View Code : <https://github.com/harshaldeshpande01/Chat-App-ClientSide-NoDB/>
* Details: Join or create chat rooms to chat in real time with multiple users.(Fully responsive website). Has features like auto scroll to bottom , emojis and auto generated welcome and has left messages.
* **Tech stack:**

1. ReactJs, HTML and CSS for frontend
2. Express and NodeJs for backend
3. Socket.io for realtime data transfer

**OTHER PROJECTS**

* **Movies Website(Amazon Prime clone) March / 2020**
* View Code : <https://github.com/harshaldeshpande01/Java_amazonprime_clone>
* Details : View trailers of various movies fetched from an API (Fully responsive). Has login / register feature using MySql database.
* **Tech Stack** :

1. HTML, CSS , Bootstrap and Javascript for frontend.

2. JSP and Servlets for backend, Apache server and MySql database.

3. Ajax for realtime changes.

* **Graph Algorithms March / 2020**
* View Code : <https://github.com/harshaldeshpande01/Graph_Algorithms>
* Details : Implemented various graph algorithms using adjacency list in C language. (DFS, BFS, Topological sort, Dijkstra's, graph is empty, graph is connected, Add/Delete Node, Add/Delete Edge, display minimum spanning tree , detect cycle in for directed/undirected and weighted/unweighted graphs).

## **COMPUTER PROFICIENCY**

* **Programming Languages :** C++ , C , Java (basic)**.**
* **Website Designing :**
  + Frontend : HTML5 , CSS3 , JavaScript , ReactJs , Bootstrap , Git , Responsive/Mobile Design
  + Backend : Java(intermediate) , ExpressJs(basic).
* **Database Management :** MySql**.**
* **Operating Systems :** Windows and Linux
* **Software Packages :**  Microsoft Office , Google Docs & Spreadsheet , Skype**.**

## **EXTRA CURRICULAR ACTIVITIES**

* Member of Octaves Music Club of VNIT.
* Peformed at Institute Gathering 2018 & 2019 , Cultural Nite and other cultural events.
* Striker of the winning team in football intramurals VNIT 2018.

I hereby acknowledge that the information furnished above is correct to the best of my knowledge.

**Harshal Deshpande**