VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

HARSHAL DESHPANDE

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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**

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