

MEGHAJ SINGH

SWE Intern @ Microsoft | Computer Engineering Undergrad

A young, talented and hard-working techie who believes in putting efforts to make lives simpler.



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EDUCATION

BE in Computer Engineering Army Institute Of Technology

07/2018 - Present

Class 12th

St. Paul's Sr. Sec. School, Mala Road, Kota

04/2017 - 06/2018

93.2%

PERSONAL PROJECTS

1. Path Finding Algorithm Visualizer

- This is web based application created using HTML, CSS and JavaScript that helps the user to visualise various path finding algorithms like Breadth First Search and Dijkstra's Algorithm. It was a team project completed successfully.

2. Data Science Web Application

- This is a web based application which uses the road-accidents data of the New York city, and analyzes the number of accidents, casualties occurred and the locations of accidents using PyplotExpress and Streamlit functionalities/modules/libraries of Python.

3. Exercise and Health Tracker

- This is web based application created using MERN stack (while trying to study it). It is efficient for storing the exercises record as well as its duration and time-limit of completing it. Furthermore, the records can be used to keep a track of daily routines as well as time spent on looking after your own health.

4. Space Invader Game

- A simple but creative game created using Pygame, Tkinter and Python. This game offers many functionalities like changing speed of spacecraft, number of enemies and also the pictures as well as the sound-effects. It is recommended to visit my GitHub repository of the project to have a more clear picture about it.

WORK EXPERIENCE

Software Engineering Intern Microsoft

06/2021 - Present

Bengaluru, India

Achievements/Tasks

- Worked on improving the efficiency of Docker container images of OSDU platform and helped in one-click installation of OSDU infrastructure resources in remote-mode.

SKILLS

C++

C

Python

HTML

CSS

Kubernetes

JavaScript

Git

Docker

ReactJS

NodeJS

MongoDB

SQL

PyGame

Rasa

Visual Studio

Problem Solving

Data Structures

Algorithms

Public Speaking

Leadership

ACHIEVEMENTS

Semi-Finalist at Barclays Technical Innovation Challenge (08/2018 - 09/2018)

Bronze Medalist at HackerRank HackFest - 2020

All India Rank - 15 in UPSC National Defence Academy Examination - 2019(1) 📄

All India Rank - 37 in Technical Entry Scheme 42nd Course 📄

LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

Spanish

Limited Working Proficiency

INTERESTS

Football Analysis

International Relations

Web Development

Problem Solving

Geographical Politics