

# Abhisek Kumar Gupta

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## EDUCATION

### HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

June 2021 | Chennai, India

CGPA: 9.2 / 10

## LINKS

Github:// akgmage

HackerRank:// akgmage

LinkedIn:// akgmage

## COURSEWORK

### UNDERGRADUATE

Design and Analysis of Algorithms

Data Structures

Database Management Systems

Operating Systems

Object Oriented Programming

Systems Programming

Software Engineering

Theory of Computation

## SKILLS

Experienced:

- Flutter
- Dart
- Javascript
- Typescript
- CSS, HTML
- C/C++

Intermediate:

- Git Version Control
- VIM
- Angular

Familiar:

- Go
- MySQL
- Python
- Java

## OPERATING SYSTEMS

- Mac
- Linux
- Windows

## WORK EXPERIENCE

### GENWORKS HEALTH PRIVATE LIMITED

SOFTWARE ENGINEER JULY 2021 - CURRENT

- Developed a Ready recokner Cross Platform Mobile App from scratch for Women's Health Care with structured screening programs for Cervical and Breast Cancer using Flutter & Dart which is used by 100+ Obstetricians and Gynecologists in India
- Designed Quick and easy user experience for screening and reporting cases resulting in reducing time to capture screening parameters by 70%
- Implemented concepts like Debouncing and Infinite Scroll to enhance the performance of App by significant margin
- Followed best Software Engineering practices by writing Unit Tests and Widget Tests which improved quality of code and debugging process
- Liaised with Product Managers to identify minimum viable product requirements and clearly defined feature sets into well-scoped user stories for individual team members
- Assessed UI and UX designs for technical feasibility which reduced the implementation time by 25%
- Collaborated with panel of 10 doctors from The Federation of Obstetric and Gynecological Societies of India (FOGSI) to bring forth the idea into form of an App

## PERSONAL PROJECTS

### SORTING VISUALIZER | JS | HTML | CSS

- Designed a visualization tool for visualizing different sorting algorithms like Bubble sort, Insertion sort, Selection sort, Merge sort, Quick sort and Heap sort
- Users can set their own speed or set any number of elements within given range to visualize sorting process

### PATH-FINDING VISUALIZER | JS | HTML | CSS

- Created a visualization tool for visualizing different pathfinding algorithms like (A\*, Dijkstras, BFS, DFS) to find shortest paths between nodes in a graph

## AWARDS

- Received WOW Award from GENWORKS for demonstrating strong technical calibre taking complete charge of the development of GenVCare cross platform mobile app
- Received WOW Award from GENWORKS for successful launch of GenVCare cross platform mobile app