

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