

SIDDHARTH VYAS

Personal Details

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Skills

C/C++ Python Data Science

Machine Learning Django

R HTML PHP JavaScript

CSS Angular 7-8 jQuery

SQL PouchDb/CouchDb

Dynamic programming Graphs

Game theory Greedy problems

Matlab Photoshop

Education

Jaypee Institute of Information Technology

2017 – 2021

Bachelor of Technology (Computer Science)

CGPA- 7.6

Interest and

Achievements

Artificial Intelligence, Robotics, Problem Solving, Statistics, Web Development
Top 15 in LNMHACKS 3.0 Hackathon, 2018

Languages

English-Schooling
German-A1
Hindi -Native

Competitive

Programming Handles

CodeChef

<https://www.codechef.com/users/sidvyas>

CodeForces

<https://codeforces.com/profile/CodeStriver>

About Me

I am diligent, zestful, ambitious person who has developed a mature and responsible approach to any task that I undertake, or situation that I am presented with. I am an effective team member with good interpersonal skills. I am currently looking for an opportunity to utilize my technical skills in a challenging working environment and become a valuable asset to the organisation that I work for.

Experience

Ernst & Young

Web Developer and Data Analyst Intern

May 01, 2020 – August 30, 2020

- Designed, developed and hosted www.eycafta.com/cc2020.php and www.eycafta.com/virtual/scholars.php websites for CAFTA program using technologies – HTML5, CSS3, JavaScript, jQuery, AJAX, PHP and SQL.
- Social Media Web Scrapping using Selenium and Beautiful Soup.
- Python programmed solution of bin-stacking problem in Client Project.

Freelance

Web Developer and Graphic Designer

July 07, 2019 - Present

Developed college math conference website <http://www.ramsaconference.com> for event RAMSA-2020 using technologies of HTML, CSS, JavaScript, PHP and SQL. Also developed advertisement flyer and sourcing, compositing, and retouching images for print and web for same event using Photoshop.

DXchange.io

Frontend UI Developer

June 03, 2019 - July 03, 2019

Worked in frontend cutting-edge technologies of JavaScript(ES6/7), Angular 7, HTML5, CSS3, jQuery, Bootstrap, PouchDb / CouchDb and UI component libraries of Angular Material and ng-zorro-antd (NG- Zorro of Ant Design) to develop fully responsive CRUD application initially. Then implemented the same features in company product iPaaS.

Web-Dev Fusion

Web Developer Intern

July 17, 2018 - August 17, 2018

Worked in designing and developing of website with HTML 5, CSS, JavaScript, jQuery and Bootstrap, and hosting and maintenance of the website.

Projects

Drishti: Application for visually impaired using Deep Learning

Project Domain- Deep Learning

Aimed to create visual aid assistant application to help visually impaired to recognize objects and help them in their navigation. Using Faster RCNN for scene recognition to detect objects and to draw bounding boxes with accuracy readings, stating the position of object in camera frame with direction and finally converting complete detection detailed output to voice for creating voice input output enabled real time warning system in application.

Duration: 2 months

Mentor: Dr. K. Vimal Kumar

TIME TABLE GENERATOR using M-Colouring problem

Project Domain- Data Structures & Algorithms

This project aimed at making a TIME TABLE GENERATOR using M-Colouring problem of graph on backtracking. Schedule is desirable which combines resources like teachers, subjects, students, classrooms in a way to avoid conflicts satisfying various essential and preferential constraints. This project aimed at properly colouring the course conflict graph and transforming this colouring into conflict-free timeslots of courses. Course Conflict graph is constructed with courses as nodes and edges between conflicting courses.

Duration: 2 months

Mentor: Dr. Ankita Verma

Web Messenger app

Project Domain- Web Development, Socket Programming, Data Encryption

Project aimed at creating a messenger application using socket programming of computer networks. The UI is built on HTML5, CSS3, JavaScript, jQuery. PHP was used for backend purpose and SQL saving data in database. Similar to common functionalities of a general messenger app, message communication was encrypted using common encryption techniques and implemented concepts of socket programming on creating socket, sending and receiving data via sockets and use of command line for achieving the purpose.

Duration: 2 months

Mentor: Dr. Pawan Singh Mehra