SAM SEHGAL

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Education

Qualification	University	Year
Masters in Information Technology/ Information Technology Management	The University of Sydney	2019 (currently enrolled)
B.E. in Computer Engineering (**Delhi University**)	Netaji Subhas Institute Of Technology(NSIT), Delhi	2015-2019

Skills And Abilities

Subject of Interest: Data Structures & Algorithms

- **Technical Skills:** C++, Python, HTML, CSS, Bootstrap, JavaScript, JQuery, Angular, AngularJS, VueJS, AmchartsJS and AR JS, Machine Learning, Artificial Intelligence, Deep Learning, Data Analytics.
- **Currently learning:** ReactJS, NodeJS

Work Experience

1. FRONTEND WEB INTERN – DRSAFEHANDS.COM [DEC 2018 – MAY 2019]
- A portal for expert advice on personal health issues.
- Worked on HTML, CSS, Bootstrap & JS for redesigning the web application drsafehands.com.

2. SUMMER INTERN – NUCLEUS SOFTWARES [MAY 2018 – JUL 2018]

a. Cluster Health Monitoring System using Elastic Search
Built a complete website for Elastic Search overview of nodes in a cluster and their data with textual and graphical representation, using HTML, CSS, JS and amchartsJS.

b. Augmented Reality Presentation
Used 3D models and 3D graphics for creating three AR projects to be presented on Nucleus Day, using the AR JS library.

c. Image to Text for Employee Identification
Wrote a python code for detecting name and employee written on employee's I-Card and then map it with the employee details file so as to mark his/her attendance.

Projects

1. THESIS ON HATE SPEECH CLASSIFICATION USING DL [MAY 2019]
- Classified text into hate speech and offensive speech using machine learning and deep learning techniques.
- Used the training model to analyze twitter data on tending issues.
- The thesis can be viewed at http://bit.ly/thesisdl.

2. RESEARCH PAPER ON SENTIMENT ANALYSIS ON GST [2018]
- Scrapped twitter data on GST using python, and used that data to analyse user reactions on the implementation of GST using R Libraries.
- The analysis was done broadly on five aspects - location, user popularity, tweet popularity, time and overall analysis.
- The research paper can be accessed at https://ieeexplore.ieee.org/document/8748822.

3. TO DO LIST [OCT 2018]
- Designed a basic to do list using vueJS.
- The list can be viewed at https://samarthsehgal97.github.io/todolist/dist.

4. WEBSITE BLOCKER [AUG 2017]
- Built a program in Python to block particular websites for specified time.
- This was specifically built for students who wish to study at some particular hours and not open social media sites during that time.

5. SELF PROFILE WEBPAGE (CURRENTLY WORKING) [PRESENT]
- Created a self designed webpage from scratch using HTML, CSS and JavaScript.
- The website can be viewed at bit.ly/samarthsehgal (only the front page can be viewed currently).

Positions of Responsibility

1. CHIEF CONVENER | ESUMMIT NSIT [DEC '17 – FEB '18]
- Head Organiser of the annual Entrepreneurial Fest of NSIT.
- Mentored all departments, including Web Department, Finance Department, etc.

2. JOINT SECRETARY | IEEE NSIT [AUG '16 – DEC '16]
- Organised SIGs, taught C++ to a batch of over 50 students.
- Part of the Technical Team.

Achievements

- **1st Prize** at Vihaan 2.0 (IEEE DTU's Annual **Hackathon** with participations from all over the country). Project can be viewed at https://youtu.be/oxtOI4VHsUU.
- **3rd Position** at Launchpad Hackathon (C++) at Coding Blocks, a coding competition that tests data structure skills.
- Qualified to **Elimination Round** of **codechef**'s SNACKDOWN 2016 and ranked **under top 16%** students (globally) in Pre Elimination round of SNACKDOWN 2017, a coding competition at codechef.com.