Sohang Chopra

sohangchopra@gmail.com
(+91)8373926976

linkedin.com/in/sohang-chopra
github.com/sohang3112
hackerrank.com/sohangchopra
reddit.com/user/sohang-3112

EXPERIENCE

Trade Global
Data Scientist (Intern)

ongoing
Dwarka, Delhi

- Analyzed more than 10 GB of old stock data using Pandas (Python library).
- Tested different stock exchange strategies on old data to select optimal trading strategy for buying & selling stocks.

Arcon Cybersecurity
C# Developer (Intern)

April – September 2021
Mumbai, Maharashtra (Remote mode)

- Introduced a new flexible User Interface for creating automated Web Tasks in the form of a flow chart, using WPF Framework with C#. These can then be executed many times via Selenium (library for Web Automation).
- Refactored multiple modules in a legacy C# app by eliminating redundant code (reduced upto 100 LOC per module refactored).
- Added classes in C# code to allow the company's end users to schedule automated web tasks. Also edited SQL procedures for this task.

Blazar Software Solutions
Front End Web Development Intern

June 2019
Dwarka, Delhi

- Helped to develop the Front End web pages for a project, with beautiful Bootstrap components (customized with modern CSS, using concepts such as CSS Grid).
- Learnt about SEO tasks, such as identifying and optimizing page load times via browser Developer Tools.

PROJECTS

**Physics Charge Simulator [*2016]*

- Implemented a graphical simulation of charged particles (protons and electrons) to study their mutual interaction via the Laws of Electrostatics.
- Built a Graphical Simulation of the behaviour of 100s of charged particles (in various random positions) using SFML library with C++.
- Studied many interesting phenomena (such as slingshot due to electro-magnetic field).

Web - based Text Editor

- A simple web-based text editor, using Flask (Python) for back end code.
- It is a minimalist editor that allows users to create, edit, save and open text files.
- It has a classic, good looking interface which was built with CSS 3.
- See it on GitHub - https://github.com/sohang3112/simple-text-editor

Tic Tac Toe against Computer
- Re-created the classic game of Tic Tac Toe on a Webpage, using HTML / CSS / JavaScript
- Two modes provided – Human against Human, Human against Computer
- It turned out to be so good that I couldn't beat it at all ! (in Human vs Computer)

EDUCATION

Dayalbagh Educational Institute, Agra
Electrical Engineering (with CS Specialization)

2018 – now (ongoing)

SKILLS

Programming Languages: Haskell, Python 3, C, C++, C#, Java, SQL, HTML, CSS, JavaScript

Frameworks & Databases: Flask, FastApi, Selenium, Node, SFML, WPF Framework for .NET, Pandas, MS SQL, Bootstrap, JQuery

Skills & Concepts: Web Development, Web Scraping, Arduino Programming, Data structures & Algorithms, Object-Oriented Programming, Functional Programming, MVC, Git