Vivek K Thakur

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Education

California State University East Bay   Hayward, CA
BS Computer Science   Dec 2020

Skills Summary

Programming Languages:	Java (7+), C++, C, JavaScript, Python, Angular 8, Android Dev
Frameworks:	Spring, ThymeLeaf, JPA, Jackson JSON, ChartJS, Apache Charts, Flask
Tools:	Virtual Box, VMware, Eclipse, Android Studio, Kali Linux, JShell, WireShark,
Misc:	Proficient in OOP, Knowledge of Software Design, Strong communication skills Have used chartJS, apache charts and Flask in industry setting
Course Work:	Mobile Programming, Analysis of Algorithms, Data Structures, Artificial Intelligence, Operating Systems, Computer Architecture

Experience

MDout   Livermore, CA
Frontend Intern   May 2020 - Oct 2020

- Created a Disease Modeling system using data taken from twitter api
- Learned to sort data according to a hierarchy based on State and City along with population
- Quickly learned and applied Angular along with REST design concepts to get data in real time and formatted using JSON
- As a scrum master, led and organized daily scrum meetings

Projects

Covid-19 Stat Tracker *Spring Boot*
- Implemented REST API design principles to fetch COVID-19 statistics
- Tracked and organized datasets based on location
- Used ThymeLeaf to show data in an easy to read and understand fashion

Student Administration System *C++*
- A system used by administrators to create student accounts and assign unique ID's and storing the data into files.
- Gave security privileges to Admins, able to create, replicate, update, delete student data

Traveling Salesman Problem using a Genetic Algorithm *Java*
- Created a solution to TSP using a genetic algorithm
- Used AI design principles
- Learned to apply Darwinistic theories to create robust algorithms.

International Space Station Tracker *JavaScript, HTML*
- Used an API that tracked the location of the ISS to show users the exact location and position of the ISS to users

DeadLock Be Gone *Java*
- Manipulated threads in order to purposefully create deadlocks of various severity and solve them through various techniques