

SAKET KUMAWAT

Programmer • Web Developer • Graphic Designer



About Me

Projects



My Story



I am a junior in the College of Information and Computer Sciences at the University of Massachusetts Amherst, pursuing an undergraduate degree. I am majoring in Computer Science, with intent to double major in Mathematics with Statistics and Data Science concentration. I'm involved as a Software Developer for BUILD UMass, where I use my software engineering skills for pro-bono app/web development and tech consulting for the Amherst community. I also serve as a Designer for the HackUMass Organizing Team, responsible for graphics design and production for the annual hackathon. I am interested in exploring the fields of Software Engineering, Data Science, and Machine Learning, and I am open to opportunities for the same.

Languages



My favorite languages for systems programming, software engineering, and data analysis.

Front-End



My preferred technologies for front-end web development and component design.

Back-End



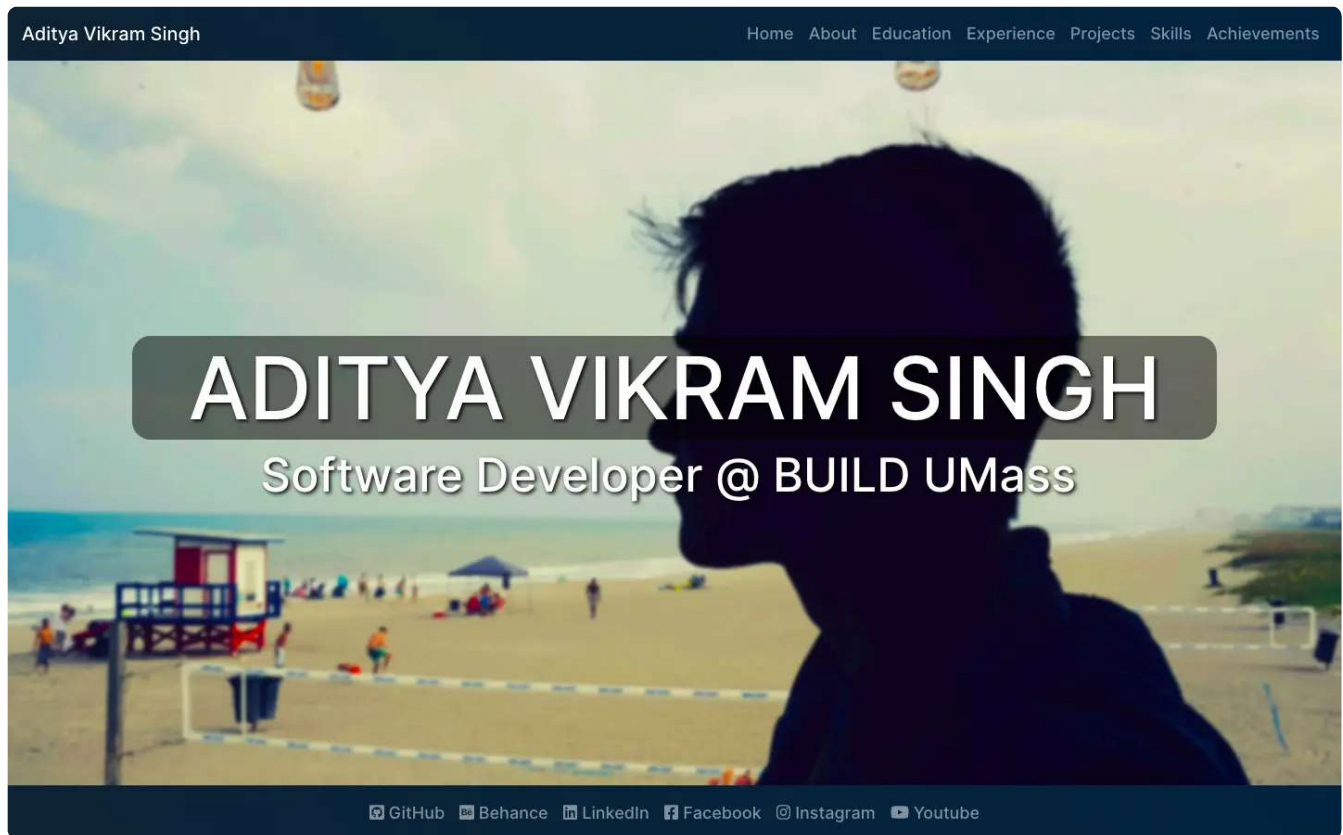
My preferred technologies for back-end web programming and database architecture.

Tools



My favorite tools for version control, code editing, and container orchestration.

Featured Projects

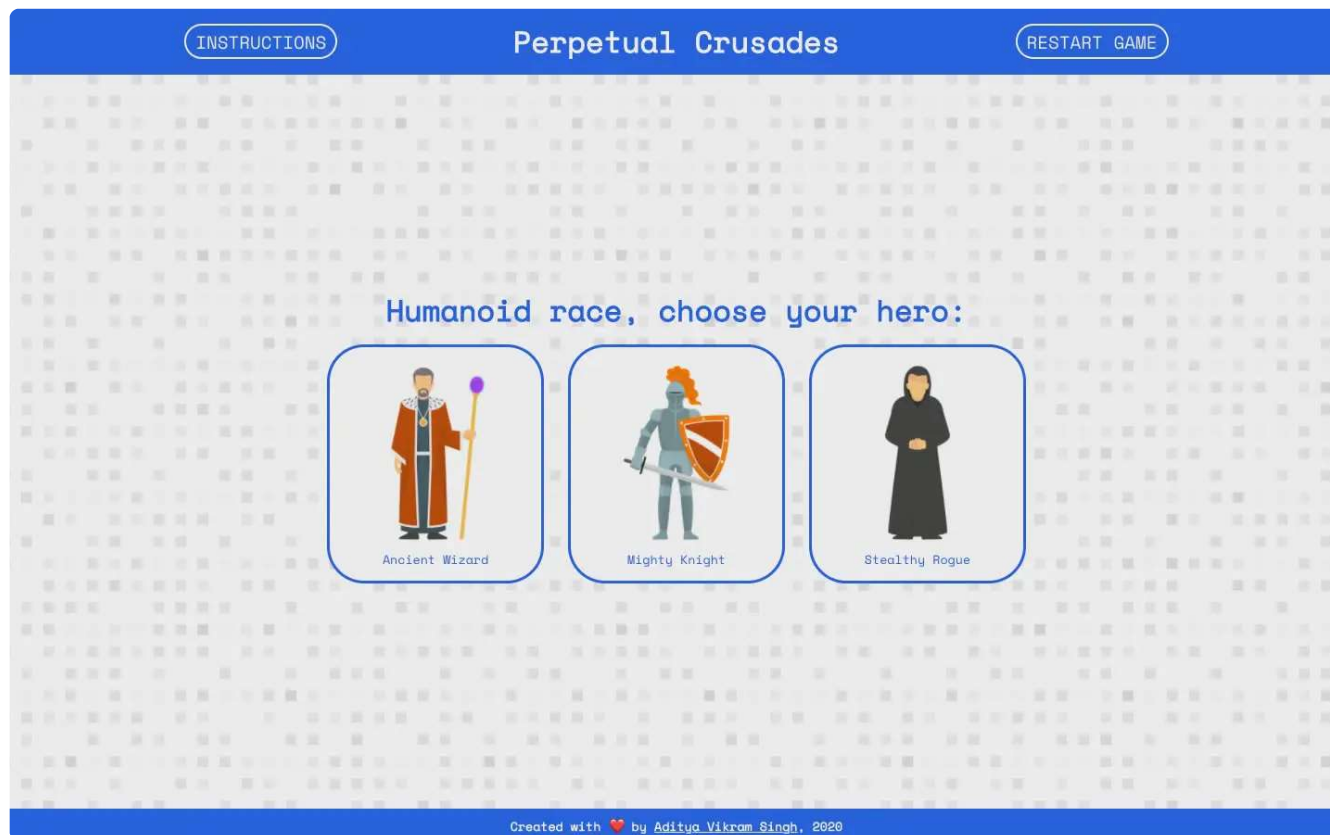


Personal Website



I developed and designed a website using ReactJS and Bootstrap, hosted on Github Pages, to showcase my web presence, story, work experience, education, projects, and achievements in an interactive and visually-appealing format.

[Check it out!](#)

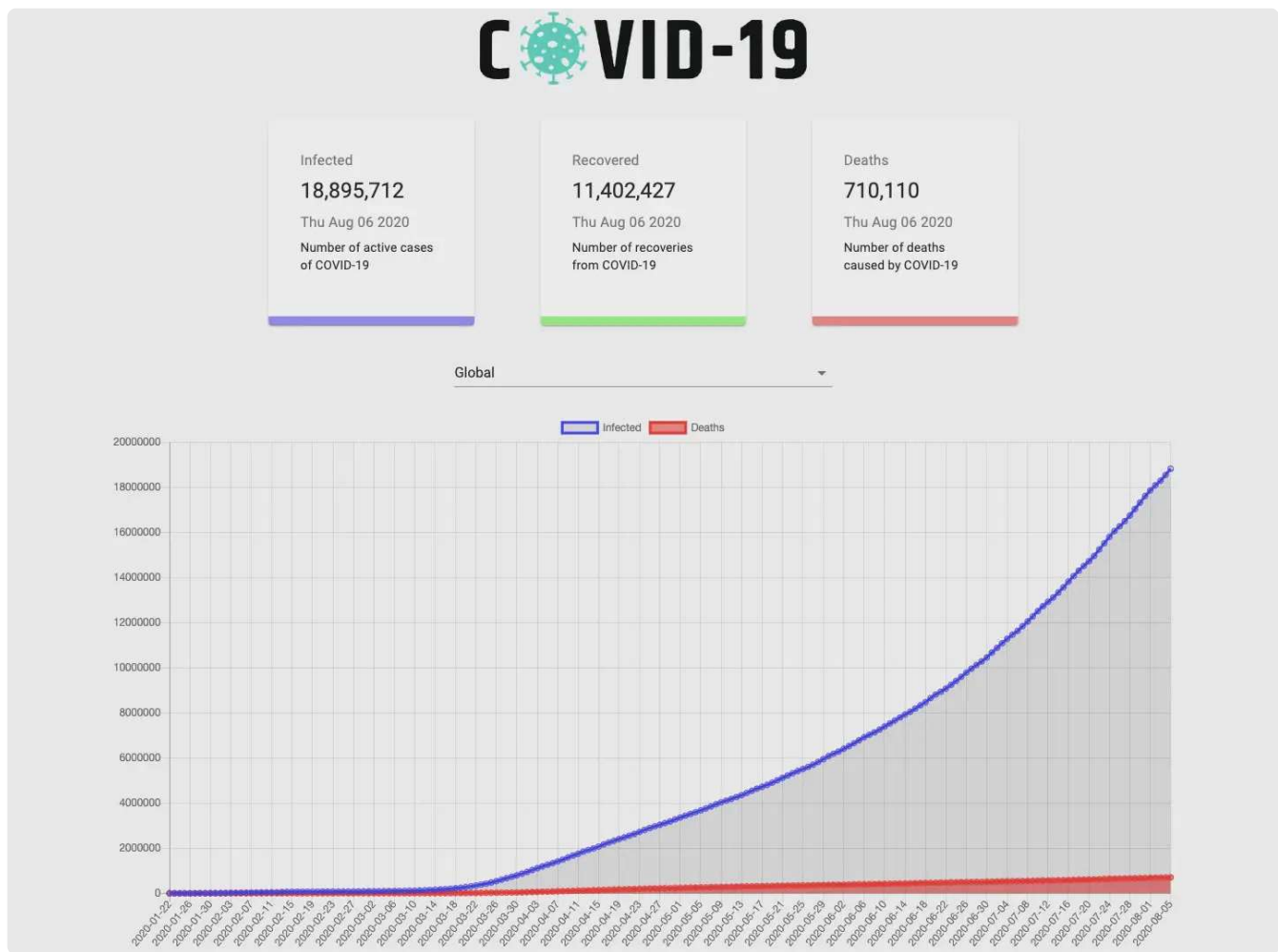


Perpetual Crusades



I created a two-player online dice-based board game with a theme loosely set around Dungeons & Dragons. It was developed as a submission for Penn Apps XXI, using ReactJS and CSS Grid Layouts for design and hosted on GitHub Pages.

[Check it out!](#)



COVID-19 Tracker App



I created a web application for tracking the spread of COVID-19. Using Johns Hopkins University Center For Systems Science and Engineering API, the website processes the COVID-19 data to create statistical projections through graphs and charts.

[Check it out!](#)

```
1 void CarryOutTransactions(float &Budget, float &Income, float &Expenditure)
2 {
3     fstream F, ACC;
4     F.open("CMPNYACC.DAT", ios::binary | ios::out | ios::in);
5     ACC.open("ACCDET.DAT", ios::binary | ios::out);
6
7     TRANSACTION T;
8
9     while (F.read((char *)&T, sizeof(T)))
10         T.CommitTrans(Budget, Income, Expenditure);
11
12     ACC.write((char *)&Budget, sizeof(Budget));
13     ACC.write((char *)&Income, sizeof(Income));
14     ACC.write((char *)&Expenditure, sizeof(Expenditure));
15
16     F.close();
17     ACC.close();
18 }
```

Valuto: Account Management System



I developed a CLI system for accounting management and financial statement maintenance. The purpose of the system is to maintain a record of the funds received, used, disseminated and donated by an organization. Details of transactions and maintenance of a budget and tallying of current balance/inventory in cash/kind is incorporated in this system.

[Check it out!](#)

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