

# Nimish Adhikari



67 Windsor Road,  
Medford, MA 02155



nimishadhikari@gmail.com



781-827-9580

## EDUCATION

Tufts University,  
Medford, MA

Candidate for *Bachelor of Science* in Computer Science  
and Applied Mathematics

Cumulative GPA: 3.81/4.00

Class of 2020

## PROJECTS

Github: <https://github.com/nimishadhikari>

Lifemap: <http://lifemap20.herokuapp.com/>

*Calendar heatmap generator webapp*

- Worked with Google Maps and Calendar API to generate a heatmap based on locations marked in your calendar
- Used Node.js with MongoDB to create web server to calculate data like average sleep-times from Google Calendar, and store them for visualizations

Space Chef: [https://www.youtube.com/watch?v=-5q\\_hoX0ggY](https://www.youtube.com/watch?v=-5q_hoX0ggY) (Trailer)

*VR Cooking Game for the HTC Vive*

- Designed game objectives, mechanics and implementation, along with theme and story
- Created interactive VR scripts in C# for zero gravity movement, picking objects and event triggers
- Created models and scripts for game objective goals using Unity and Maya

Dumpster Dive: [https://github.com/JamaicanMoose/GameDesign\\_DumpsterDive](https://github.com/JamaicanMoose/GameDesign_DumpsterDive)

*Puzzle Game for the PC*

- Designed the game objective and created C# scripts for win condition and score keeping
- Designed models for the game objects in Maya

## EXPERIENCE

Tufts University

*Teaching Assistant – Game Design*

Medford, MA

8/2018 – Current

- Wrote scripts for class presentations, helped students with Unity implementations and graded their assignments

SEBS Earthquake Relief Project

*Administrative officer*

Kathmandu, Nepal

4/2015 – 4/2016

- Received donations, and recorded all transactions, as well as worked with a team on the budget
- Communicated with different civil organizations, including the Nepali Army and Air Force to help with logistical support
- Negotiated with vendors and businessmen for deals on products, kept track of inventory and made sure goods were delivered on time

## RELEVANT COURSEWORK

Web Programming, Game Design, Probability, Nonlinear Dynamics and Chaos, Linear Algebra, Number Theory, Data Structures, Machine Structure and Assembly, Real Analysis, Statistics, Algorithms, Programming Languages

## SKILLS & INTERESTS

*Programming:* C, C++, HTML/CSS, C#, MATLAB, JavaScript, Python, Google Maps API, Google Calendar API, Node.js, MongoDB

*Skills:* Unity, Autodesk Maya, Microsoft Excel, Word, FL Studio, Adobe Flash, fluent in Nepali and Hindi.

*Interests:* Deep Learning, Parallel Computing, Compilers, Multi-threaded Programs, Dynamic Modeling Systems