

NIKHIL DEENAMSETTY

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GitHub: <https://github.com/NikhilDIL>

EDUCATION

University of Illinois at Urbana-Champaign

December 2020

Bachelor of Science, Computer Science

GPA: 3.73/4.0

Relevant coursework: Data Structures, Computer Architecture, Numerical Methods, Probability & Statistics for Computer Science, Software Design Studio.

PROJECTS

Facial Expression Detector (In Progress)

Summer 2019

- Created a program that takes a picture of a person using a webcam and determines their facial expression using a Convolutional Neural Network (CNN).
- Trained CNN using the Pytorch deep learning framework with approximately 28000 images in the FER-2013 dataset on various facial expressions.
- Currently tuning the hyperparameters to improve the overall accuracy of the network. The network currently classifies most happy facial expression images accurately.

Ultimate Adventure

Winter 2018

- Created a graphical strategy game using C++ and Openframeworks.
- Implemented a graphical user interface which allows player(s) to control the characters on the battlefield and execute basic commands.

DodgeVR Hackathon Project (Depaul University)

Fall 2018

- Helped create a Virtual Reality game using Unity where the player has to dodge the fruits being thrown at them.
- Created C# scripts to randomly generate fruit in-game and throw them at the player.

Sushi Go

Fall 2018

- Used Java to create an implementation of the game SushiGo! Made by Gamewright.
- Developed an AI which placed fourth in a SushiGo! tournament against seventy-seven other student-made AI.
- Created a functional game engine where the user can play against three user-made AI.

WORK EXPERIENCE

Meijer

Champaign, IL

Cashier

December 2018 - March 2019

- Worked efficiently during the holiday season and processed many sales transactions.
- Developed better interpersonal communication skills by assisting customers.

SKILLS

- **Programming Languages:** C++ (proficient), Python (proficient), C (proficient), Java (intermediate), C# (familiar)
- **Frameworks/Libraries:** Pytorch, NumPy, Pandas