

ANIKET K. SINGH

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📍 Youngstown OH

🌐 <https://github.com/singhaniket98>

EDUCATION

Youngstown State University

B.S in Computer Science

📅 August 2017 – Present

📍 Youngstown, OH

Minor in Mathematics

GPA = 3.63

Anticipated May 2021

SKILLS

Languages:

C++, C, Java, Python, R, C #, CSS3, SAS, HTML5

Framework and Libraries :

Angular, TensorFlow, Keras, Seaborn, Django, Scikit-learn, NumPy, SciPy, Pandas, Matplotlib

Databases:

mySQL, Oracle

Other Concepts:

Jupyter, Git, Bootstrap 4, Unit Testing

COURSEWORK

Completed

Data Structures and Objects, AI in Game Design, Advanced Object-Oriented Programming, Computer Organization, Discrete Structures, Data Structures and Algorithms, Automata Theory, Operating Systems, Linear Algebra

Continuing

Software Engineering, Computer Architecture, Data Analysis with SAS, Predictive Modeling Algorithm, Bayesian Statistics, Data Visualization

EXPERIENCES

Resident Assistant

Residence Life, Youngstown State University

📅 Aug 2018 – Present

📍 Youngstown, OH

Student Software Assistant

ITS, Youngstown State University

📅 Sept 2017 – Aug 2018

📍 Youngstown, OH

HONORS & AWARDS

- Hirsch-Satrum Scholarship: Award Presented to an outstanding campus leader (2020 – 2021).
- Bernadine Marinelli Memorial Scholarship: Award presented to an outstanding student supervisor in the division of student experience (2019-2021)
- Academic Excellence Scholarship (2018 – Present)
- International Scholar Award (2017 – Present)
- International Student Scholarship (2020 - 2021)
- Hindu Community Scholarships (2018 – 2019)
- Honors College (2017-Present)

PROJECTS

Ext _2 Operating System Project

- Programs that copy files into and out of a Virtual Box VDI file containing a Linux ext2 file system. A virtual disk file scanner program that can explore the contents of the VDI file using bash commands.

Implementation of RSA algorithm

- Algorithm used by modern computers to encrypt and decrypt messages using public and private key

Unbeatable Tic-tac-toe

- Using Min/Max Algorithm in a 4 x 4 console-based game, to make an unbeatable tic-tac-toe.

NavMesh Artificial Intelligent Agent

- NavMesh agents collaborating to find path in a maze. Using unity's NavMesh agent as an intelligent agent for the project.

Maze Solver

- Path finding algorithm to solve Maze. A maze is generated by the code and uses path finding algorithm to solve the maze.

Branch Prediction

- Smith Counter, Local History Register, Global History

ON GOING PROJECTS

Penguin Health

Role: Project Manager

- Web app that takes daily health assessment and predicts if the user should consider getting tested or quarantine themselves. The web app using different risk factors to calculate the risk level of the user getting COVID. The data collected from users are compiled into meaningful data to predict numbers of cases on campus.

Senior Project

- Using machine learning algorithm to predict weather parameters such as air temperature, solar radiation, humidity, etc inside and outside of the building. The prediction is then used for calculation of energy consumption based on the different factors of weather change and ultimately predict the energy consumption for a building.

LEADERSHIP

International Student Organization

President (2019 - Present)

Organized cultural and educational events like International Education week, Lunar New Year, International Prom Night and different fundraising events.