Nikhil Gautam

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/Nikhil-Gautam
https://github.com/ngautam222

🎓 Education

University of Massachusetts, Amherst   Expected Graduation: May 2024
BS Computer Science   *Amherst, MA*
GPA: 4.0

🥧 Experience

Research Volunteer   June 2021 - Aug 2021
University of Massachusetts   *Remote*
› Used Python to implement Learned Cuckoo Filter;a space and time efficient probable data structure.
› Decreased the False Positive rate of the filter by 20 percent by using Random Forest Classifier
› Tested different data sets to get the best accuracy

Undergraduate Class Assistant   Jan 2022
University of Massachusetts Amherst
› help the instructor conduct the System Principles course
› Run labs for over 30 students
› Grade Worksheets and projects
› Help students understand the material better

⚗ Projects

Price Predictor(Python)
› Used Python Machine Learning to predict future prices of real estate with 80 percent accuracy
› Libraries Used:Pandas,SkLearn,Tensorflow

Virtual Voice Assistant(Python)
› Created a voice controlled Virtual Assistant in Python using Google Text-to-Speech module
› Capable of opening websites,taking notes and sending emails with voice commands

Realtime Chat Application (React JS)
› Created a real time chat web application using react JS
› Included features such as Login and group chats

ATM-Bank Simulator(C)
› Used processes and forking to create an efficient bank simulator

MineSweeper(Java)
› Developed a GUI playable game of minesweeper capable of tracking user scores

⚙ Additional

Relevant Coursework   Programming Methodology,Discrete Math,Computer System Principles,Reasoning under uncertainty,Linear Algebra,Data Structures and Algorithms,Introduction to Problem solving with Computers,Calculus 2,Calculus 3

Awards/Honors   Dean's List(2020,2021),Chancellor's Scholarship,High School Student of the Year

Programming Languages   Java,Python,C/C++,React Js,Django,Vue,Angular Js,

Skills   Hard working,Motivated,Team Oriented,Leadership,Time Management