Akassh Shah

https://akassh.me | as2757@njit.edu

Experience

RESEARCH ASSISTANT | NJIT - AMY HOOVER | OCTOBER 2019 - CURRENT

· Custom evolutionary AI algorithm

MANAGER | EHS NJIT | OCTOBER 2018 - CURRENT

· Manage local database and with end users
· Inspect work-spaces for potential violations (security and otherwise)
· Optimization of data workflow

DEVELOPER | ADVOCATE KANCHAN | MAY 2018 - JULY 2018

· Implemented a full-stack application using the LAMP stack
· Created a centralized database for employees and internal tools to access and modify the database

MATH TUTOR | NJIT | APRIL 2018 - MAY 2018

· Tutored NJIT students in Calculus, Statistics and Probability

TUTOR | CHEGG | SEPTEMBER 2016 - CURRENT

· Tutor college students in math, computer science and software engineering
· Inspire and assist new programmers into the programming field
· Lead students to complete complex algorithmic tasks

Projects

PATIENT AND DOCTOR PORTAL

· Made a full-stack app for doctors and patients to interact, set appointments, billing, diagnosis and more

BASKET ANALYSIS

· Used the apriori machine learning and pruning algorithms to determine trends in shopping, given databases of transactions

PROJECT BIOME

· Development of 2D isometric game in the Unity Engine for a client

AUTOENCODER FOR IMAGE CLASSIFICATION

· Used the NEAT Machine Learning algorithm for a neural network that encoded images with novel values

EXAM TESTING AND ONLINE GRADING

· A portal that allows programming exams to be created and solved with online compilers

LEXICAL ANALYZER

· Created a language analyzer and compiler based on C++

Education

MASTER'S IN SCIENCE | MAY 2021 | NEW JERSEY INSTITUTE OF TECHNOLOGY

· Major: Computer Science

BACHELOR'S IN SCIENCE | DECEMBER 2019 | NEW JERSEY INSTITUTE OF TECHNOLOGY

· Major: Computer Science- Major GPA: 3.5
· Minor: Mathematics

Skills & Abilities

Python, C++, Java, HTML, Javascript, NodeJS, Express, PHP, SQL, Scrum, Agile, R, Linux, Bash