

# Akassh Shah

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## Profile

I am a software engineer and am actively looking for positions that challenge me and teach me new things. I love working with most programming languages and can adapt fairly easily to any setup in organizations of varying sizes.

## Experience

### Research Assistant | NJIT - Amy Hoover | October 2019 - April 2021

- Developed neural network algorithms to test against existing algorithms.

### Manager | Environmental Health & Safety NJIT | October 2018 - April 2021

- Manage database for chemical inventory
- Yearly NJ Department of Environmental Protection filing for chemical inventory
- Optimization of data workflow

### Math & Computer Science Tutor | Chegg | September 2016 - January 2021

- Inspire growth and lead to an algorithmic solution

### Computer Science Tutor | NJIT | September 2016 - January 2019

- Guide students with solutions to problems I too faced

## Projects

### Patient & Doctor Portals

- I made a full stack application, using the LAMP stack, for doctors and patient to interact, set appointments, do billing and more

### Basket Analysis

- Used the Apriori algorithm to prune and make more efficient making of rules

### Project Biome

- Developed a 2D environment to run simulations of certain noise algorithms

### AutoEncoder For Image Classification

- Used an evolutionary neural network to that encoded images with a score based on novelty and error

### Exam Testing & Online Grading

- I created a portal that allows students to submit programs as for an assignment/exam and the application will run and test the output and score the submissions for the professor

### Lexical Analyser

- I created a program that accepts and compiles for a created programming language

## Education

### Master's in Science | May 2021 | New Jersey Institute of Technology

Major: Computer Science

GPA: 3.6

### Bachelor's in Science | Dec 2019 | New Jersey Institute of Technology

Major: Computer Science

Minor: Mathematics

GPA: 3.5

## Skills & Abilities

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