

Akassh Shah

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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

PROGRAMMING LANGUAGES & CONCEPTS

- | | | | |
|----------|---------|--------------------------|-------|
| • Python | • HTML | • C | • PHP |
| • C++ | • Java | • JavaScript | • SQL |
| • Agile | • Scrum | • Full Stack Development | |