Kathan Patel

+1 732-522-6696   kathandpatel00@gmail.com

Education

Rutgers University -- New Brunswick, NJ   Jan. 2019-May. 2023
Bachelor of Science: Computer Science

Relevant Coursework

Principles of Information and Data Management, Numerical Analysis and Computing, Design and Analysis of Algorithms, Computer Architecture, Discrete Structures I, Discrete Structures II, Data Structures, Logic of Decision, Intro to Data science, Data Management for Data Science

Experience

Helpdesk Consultant and Application Support,   Office of Information Technology (OIT), Rutgers University, New Brunswick, NJ   June. 2021-Present
- Monitor hundreds of Rutgers University's critical systems, using Nagios, NNMi and Icinga, to ensure 24/7 operations and escalate any system outages or degradations.
- Provide with courteous on the phone support to students and faculty having problems with the Rutgers systems.
- Set up equipment for use and performing, or ensuring proper installation of cables, operating systems, printers, and appropriate software.

Backend Engineer Intern , Fan Call Pvt. Ltd, Ahmedabad, India   May. 2022-Aug. 2022
- Helped in the generation of recyclable code libraries and implemented REST API's.
- Aided in maintaining server side components of the software application.
- Collaborated with famous YouTube personalities and attended meetings that helped bring them into our platform.

Data Analyst Intern, Indian Farmers Fertiliser Cooperative, Kalol, India   May. 2021-Aug. 2021
- Provided data driven insights for growth and expansion of the cooperative.
- Aggregated and computed data using Microsoft Excel and provided visualizations using Tableau.
- Expected to present the insights founded by my team in weekly meetings with shareholders of the cooperative and increased the output of export by 31% in the 3 months I worked there.

Activity Co-Head, Karma Foundation, Ahmedabad, **India**   May 2019 – Present
- Started out as a volunteer and helped enroll around 200 underprivileged children into schools.
- Worked on the development of the app that helps locate schools nearby rural areas and makes it easy for the children who would like to have an education enroll there.
- Currently have ~230 volunteers working under me who provide me with data they gathered through roundups.

Java Instructor, Rutgers IEEE (N2E Coding Club), New Brunswick, NJ   Sept. 2020-Feb. 2021
- Aided weekly Instructions to students on basic key programming concepts
- Conceptualized complex topics like recursion using visual aids to enhance learning
- Conducted weekly Q&A sessions with the students to improve their understanding of the topics

Related Projects

Twitter Sentiment Analysis
- Developed an Automated Machine Learning Sentiment Analysis tool to find patterns and emotions behind certain tweets by famous internet and political personalities.
- Earmarked polarity of tweets and plotted them to better analyze the tweets and handled Json files.
- Used packages like Natural Language Toolkit (NLTK) to implement concepts like Principle Component Analysis and Single Value Decomposition.

Online Auction System
- Collaborated with three other students to make an online auction system inspired by ebay.
- Designed an interface that allows customers to bookmark a product, place a bid and compares bids from other users.
- Designed a chat bot that interacts with customers about a certain product or price of a certain product.

Course Registration Program
- Created a program that automatically registers for courses on a person's behalf the program continuously checks for any opening in the schedule by web scraping using Selenium
- Users successfully managed to get desired courses almost 95% of the time with the help of the program

Skills

Java, C, JavaScript, SQL, React Native, Redux, Selenium, Python, JSP, HTML, CSS, App development, Experienced in declarative and imperative programming, Relational database.