

Neil Sahai

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Education

University of Illinois at Urbana-Champaign
Computer Science, GPA: 4.0/4.0

C/O:2024

Experience

Research Associate

Remote

University of Illinois Urbana-Champaign.

Aug 2020-Present

- Worked under Professor Liu in extensive research, with the intent to transform the healthcare industry, for the past several months.
- Used Machine Learning, Deep Learning, and AI technologies such as Keras, TensorFlow to develop a proactive model that predicts whether the given image could have possible traces of life-threatening diseases such as cancerous cells or tumorous organs.

Teledoc Health (Via Cloud Fusion Lab)

Remote

Junior Cloud Engineer

May 2020 – Aug 2020

- Utilized Amazon AWS tools such as DynamoDB, Lambda, and Amazon Redshift alongside Python and Rest APIs to instigate data of patients during COVID-19.
- Performed data transformations through the help AWS Lambda and Kinesis to help the company better understand the medical landscape during the COVID-19 pandemic.

L.A. Care Health (Via Cloud Fusion Lab)

Remote

Junior Developer

Apr 2019 – Aug 2019

- Worked under Cloud Solutions Architects to help introduce Amazon AWS into L.A. Care infrastructure, strengthening the company's workflow management.
- Applied various AWS tools such as Lambda, DynamoDB, DataSync, and CloudFront to the company's backend, which helped streamline the company's processes.

Renaissance Charitable Foundation Inc.

Volunteer Developer

July 2020 – Present

- Created a new WordPress site with custom HTML plugins to attract more donors to the site and better portray the organization's mission, which is to develop a technology-driven education program for low-income students.
- Used various tools and technologies such as Node.js, React, and WordPress to help Renaissance Charitable Foundation Inc. attract and manage a larger pool of donors.

International Talent Academy

Volunteer Developer

July 2020 – Present

- Developed software for the Liberal Arts School for Young Children, which focuses on value and benefits of liberal, and performing arts education.
- Used various tools and technologies such and Node.js, React and WordPress to help International Talent Academy update their website and attract more donors.

Additional

- **Technical Skills:** Data Structures and Algorithms, C++, Python, Java, JavaScript, React, HTML, CSS, MySQL, Git, AWS, Machine Learning
- **Interests:** Cloud Computing, Software Engineering, Data Science, Business
- **Certifications:** AWS Certified Cloud Practitioner By Amazon Web Services (AWS)
- **Member of The Night Ministry,** an organization devoted to preventing homelessness
- **Campaign owner for Milaap.org,** a World Medical Campaign

Honors and Awards

- **James Scholar:** The James Scholar Honors Program in the Grainger College of Engineering recognizes the talents of academically outstanding students, promotes curricular/co-curricular growth, and helps prepare students to stand out in their future endeavors.
- **Dean's List (Fall 2020):** A list of students whose academic performance for the semester puts them in the top 20% of Grainger College of Engineering.