SOURAB CHARKA

(516) 412 - 9185 | s.charka52@gmail.com | https://sourabc9.github.io/me/ | https://www.linkedin.com/in/sourab-charka/

Profile

Seeking the position of a software development engineer where my professional experience will contribute positively towards the tremendous growth of the organization.

Social Media

LinkedIn   Github

Work experience

Graduate Assistant   06/2019 – 05/2020
School of Health Professions, Old Westbury, New York

1. Worked with tools such as Microsoft Office Applications for data entry and file management.
2. Supported in the modification of admission procedures and office projects.
3. Oversaw groups of over 50 students and assisted with academic projects.
4. Liaised between faculty and students to answer questions and optimize faculty time.
5. Prepared materials for reports, presentations and submission to peer-reviewed journal publications.
6. Created lesson materials, visuals and digital presentations to supplement lesson plans.
7. Assisted faculty members with data collection for potential academic publications.

Software Developer Intern   05/2017 – 06/2017
Magnaquest, Hyderabad, India

Utilized skills in C++ and Java while developing Mobile applications for medium sized businesses.

Education

Masters in Computer Science   09/2018 – 05/2020
New York Institute of Technology, Old Westbury, USA

Cumulative GPA: 3.93

B.E, Electrical Engineering   09/2014 – 05/2018
Chaitanya Bharati Institute of Technology, Hyderabad, India

Skills

Programming Languages

Java, C++, JavaScript/TypeScript, Python, R, C, SQL, HTML, CSS

Skills

Java

Spring Boot, Security, Spring Data JPA + Hibernate, Swagger, H2, JAX-RS, Spring 3 MVC, Remote Method Invocation

Database

MySQL, PostgreSQL, MongoDB, Microsoft Azure

Data Science

R, Python with NumPy and Pandas, PyMongo, Scikit Learn

Projects (Personal, Academic)

Database Project
Academic

1. Lead the team to design a database system storing the equipment data and financial information for a construction company.
2. Mentored four of my peers in tools, techniques & processes used in the industry.
3. Provided 1-on-1 tutoring and knowledge transfers on a regular basis.
4. Lifted-off development by starting with initial bootstrapping, creating extensive documentation, tutorials/ implementation guide documents and assigning stories to team members.
5. Scheduled and initiated weekly hangout meetings to coordinate the team and set goals.
6. Built an application on Jupyter Notebook (Python) to interact with the database in Microsoft Azure. MySQL was also used as an alternative.
7. Designed a Python based GUI for the application.
8. Served as DBA in the completion of this medium scale project.

Regression Analysis - AI Course Final Project

1. Executed Linear Regression analysis on a data set containing the currency exchange rate for US Dollars and Chinese Yuan for a period of 20 years. Predicted rate changes for a month based on previous data changes.
2. Implemented various packages in Python depending on their functionality and usability.

Color Game Project   03/2020

1. HTML, CSS and Javascript components used to build a simple RGB Color guesssing game to enance color identification.