

PARTH KAPOOR

(804) 405-7722 ♦ Kapoorp3@vcu.edu ♦ Richmond, VA

EDUCATION

Bachelors of Science, Computer Science, Virginia Commonwealth University

Dec 2023

RELEVANT COURSES

Algorithm Analysis w/Advance Data Structures, Programming Languages, Software as a Service, Fundamentals of Software Engineering, Theory of Computation, Discrete Mathematics, Differential Equations, Linear Algebra

SKILLS

Languages: Python, Java, C++, MySQL, JavaScript, HTML, CSS

Technologies: Lambda, Simple Queuing Service, DynamoDB, Cloud Watch, Git, JUnit, Flask, React, Typescript

EXPERIENCE

Project Coordinator: Gartner (Richmond, VA)

May 2022 - Aug 2022

- Built and managed a comprehensive employee database, incorporating global employee information.
- Implemented a user-friendly front-end for the database, allowing for easy searching and filtering of employee information by specific criteria.
- Application was utilized to assist executives in assigning employees to pre and post-sale clients in a billion-dollar industry.

Barback: Taphouse (Richmond, VA)

Aug 2021 - Present

- Maintained inventory and organized coolers, including stocking and rotating, prepared lounge and bar for the next day's shift and efficiently restocked bar during rush hour in a fast-paced, high-volume, and team-oriented environment.

Computer Science Tutor: Private Tutor (Chester, VA)

Aug 2020 - Jun 2021

- Provided one-on-one tutoring to high school students in the fundamentals of Java

PROJECTS

Financial Transaction System (Amazon Web Services, Python)

- Led an agile-based team in the development of a decoupled financial transaction processing system utilizing event-driven software components to manage customer accounts and transactions for a credit card system.
- Designed an architecture diagram to direct the implementation of a backend infrastructure using AWS Lambda, Eventbridge, Simple Queuing Systems, and DynamoDB created utilizing Python in AWS CLI and console
- Developed a credit card application to enhance technical skills on python and Amazon Web Services as a part of a Capital One sponsored project

COVID Hot-spot Map (Java, Android Studios, Google Maps API, Yelp API)

- Managed an Agile team as a Full Stack Developer to design and develop an Android mobile application that provides real-time COVID data based on the user's location.
- Integrated Google Maps API to create an interactive hot spot map on the front-end and a back-end script that processes data from the database and converts it into usable information.
- Gained proficiency in JAVA and various API tools through the leadership and execution of this semester-long project.

CMSC Barbell (MySQL, React, JavaScript, ChartJS API)

- Designed and built a multi-page React website to manage information on gyms, athletic sponsors, and athlete performance in diverse activities integrated with a MySQL database

- Utilized chartJS API to design and create multiple graphs for comparing athlete performance across various activities
- Created React website project to gain practical skills in Javascript and mySQL development

Additional Projects: Rectangle Packing Algorithm Visualizer(Python, Tkinter), Bye.exe(Python, Flask, SMTP, AutoPytoEXE), Fractal Tree Animation(Java), Fractal Tree Generator(Java)

LEADERSHIP

Sigma Phi Epsilon: Vice President of Standards

- Maintained academic standing for all chapter members through one-on-one meetings to address personal and academic concerns.
- Upheld robust communication with the national headquarters and Chapter Advisory Board.