**Arthik Dasari**

C++ Certified Associate Programmer (C++ Institute)

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EDUCATION **Rensselaer Polytechnic Institute**

*B.S Computer Science,* Troy, NY (May 2024)

*Minor in Economics, Minor in Cognitive Science in Artificial Intelligence*

COURSEWORK **CSC1, Data Structures, Computer Organization, Foundations Of Computer Science, Algorithms, Principles of Software, Programming Languages, Operating Systems, Database Systems, RCOS**

PROJECTS

***Study of Big O***

* Learned C++, memory efficiency, and the uses of different data structures
* *The five fundamental data structures studied were: vector, list, binary search tree (set / map), priority queue, and hash table (unordered set / unordered map).*
* *A study of Big O Notation of different structures and its real-world applications and effects.*

***FinOps Analytics Project***

* Used python, SQL, and Linux bash commands to build a system that automates the process of assigning cloud usage costs to different departments in the company. Real system that the company will use for the future.

***Personal Website:*** Used HTML, CSS, and other libraries to create a more detailed and holistic version of my resume.

WORK EXPERIENCE

* RPI MATLAB Student Ambassador, *Troy, NY*  (August, 2021 – Current)
* Independent tutor for the SSAT, PSAT, and SAT (April, 2019 – Current)
* **OTD&A LDP Intern at The Hartford** (May 2023 – August 2023)
* Used python to move data from data sources to Amazon S3
* Used SQL to query and restructure the data to combine various table fields
* Used Linux bash scripts to automate several data migration processes
* Used Tableau to create live dashboards for business user viewing
* **Software Engineering Intern at The Hartford** (May 2022 – August 2022)
* Buildmastered code integration using Jenkins and UDeploy
* Automated Excel/PowerPoint documentation using VBA code
* Fixed errors using Gosu/Java in Guidewire
* Implemented database inconsistency checks using SQL
* Kumon Math and Reading instructor,  *CT*  (Jan, 2018 – August, 2021)
* Fibre Dust LLC*, Cromwell, CT* (May, 2020 – August, 2020)

SKILLS

* C++, Java, C, Python, SQL, HTML, CSS, JavaScript, Bootstrap, VBA, Prolog (logic programming language), MIPS (assembly language), Gosu (built on Java), MATLAB

TOOLS

* PuTTy, Snowflake , AWS S3, AWS EMR, Jenkins, Udeploy, Visual Studio Code, Eclipse, Sublime Text, Spyder, Toad
* Microsoft: Teams, Word, Excel, PowerPoint, SharePoint

CERTIFICATIONS

* C++ Certified Associate Programmer (C++ Institute) (August 2021)

HONORS

* Rensselaer Leadership Award, Rensselaer Recognition Award