

## Arthik Dasari

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### Education

**Rensselaer Polytechnic Institute** (August 2020 - May 2024): Bachelor of Science in Computer Science

Minors: Economics, Cognitive Science in Artificial Intelligence

**Honors and Awards:** Rensselaer Leadership Award, Rensselaer Recognition Award

**Relevant Courses:** Computer Science 1, Data Structures, Foundations of Comp Sci, Computer Organization, Intro to Algorithms, Principles of Software, Programming Languages, RCOS (current), Operating Systems, Database Systems (current), Software Design and Documentation (current), AI for Conservation (current)

### Work Experience

**MathWorks: RPI MATLAB Student Ambassador** (August 2021 - Current)

- Hosted dozens of events at RPI to spread information about and teach MATLAB software to students and staff.
- Contacted professors and department heads to integrate MATLAB into RPI courses and research projects.

**The Hartford Insurance Company: OTD&A LDP Intern** (May 2023 - August 2023)

- Contributed as a data engineer on the FinOps data warehousing project used to aggregate ~\$6 million of cloud consumption platform costs and allocate them to ~160 responsible teams within Snowflake.
- Transformed source data and integrated it into the final dimensional model using SQL.
- Used Python to automatically pull data from a SQL Server database, transform it with Pandas, and upload it to an AWS S3 bucket. Developed and implemented a modified ETL process.
- Developed two Linux bash scripts to automate the manual twenty-step process of pulling data from production to non-production environments.
- Created data quality controls to monitor the general status of the warehouse.
- Utilized Tableau to create data visualizations and dashboards of our results to present to stakeholders and department directors.

**The Hartford Insurance Company: Software Engineering Intern** (May 2022 - August 2022)

- BuildMastered code releases using Jenkins and UDeploy to integrate Guidewire code fixes.
- Automated Excel and PowerPoint documentation to speed up manual processes using VBA code.
- Utilized Gosu/Java in Guidewire to fix compile and logic errors to optimize code.
- Implemented database inconsistency checks utilizing SQL to find differences in data in various development environments. Worked on the Alpha team in the small commercial dept that utilized Agile and Scrum methodologies.

**Kumon: Math and Reading Instructor** (January 2018 - August 2021)

- I was professionally trained to answer any questions from k-12 using only Kumon math and reading strategies.
- Developed analytical strategies, confidence, and leadership qualities to later start independently tutoring for the SAT, PSAT, and SSAT.

### Technical Skills & Projects

**Certifications:** [C++ Certified Associate Programmer \(C++ Institute\)](#)

**Skills - Languages:** C++, Java, C, Python, SQL, HTML, CSS, JavaScript, VBA, Prolog (logic programming language), MIPS (assembly language), Gosu (built on Java), MATLAB, NumPy, React.js (current), MongoDB (current), ExpressJS (current), Node.js (current)

**Skills - Software:** Visual Studio Code, PuTTY, Eclipse, Sublime Text, Jupyter Notebooks, Spyder, Toad, Jenkins, UDeploy, Snowflake GUI, AWS EMR, AWS S3

**Projects:** [https://dasaria8.github.io/Arthik\\_Personal\\_Website/#personal\\_projects](https://dasaria8.github.io/Arthik_Personal_Website/#personal_projects)

- [FinOps Analytics](#)
- [Swifhire application](#)
- [RCOS](#) projects: [Personal Website](#), [RPI Disabled Students Website](#)
- [Study of Big O](#)