

Sreya Sarathy

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EDUCATION

University of Wisconsin – Madison

Fall 2024 (Junior Standing)

BS in Computer Science and Data Science with a minor in Economic Analytics

GPA: 3.55/4.0

Honors: Dean's List Spring 2022, Dean's List Fall 2022

Clubs: Girls Who Code Madison & Swim Club UW

Relevant Courses: Programming I/II/III, Introduction to Computer Engineering, Elementary Matrix & Linear Algebra, Calculus II/III, Discrete Mathematics, Intermediate Microeconomic Theory.

SKILLS:

Programming Languages: Java, HTML, CSS, JavaScript, Python, R, Bash, SQL, MongoDB, Git

Concepts: Object Oriented Programming, Version Control, GUI Implementation, Introductory Machine & Assembly Language, JUnit Jupiter Testing, Hashtables, Red Black Trees and Dijkstra's Algorithm.

Programming Environments: Eclipse, IntelliJ IDEA, Visual Studio, GitHub, Google Cloud Platform

Certifications: Java Programming MasterClass - Udemy, The Complete Web Development BootCamp - Udemy, Introduction to Computer Science – HarvardX, Data Structures and Algorithms in Java – Udemy.

RELEVANT PROJECTS:

Student Data Base Management System:

January 2023 – Present

- Develop a student database management system for Priya Math Academy using HTML, CSS, JavaScript, SQL and Node.js. Design the UI using HTML & CSS, implementing the frontend logic using JavaScript.

Medicine Reminder App:

October 2022– Present

- Design and develop a medicine reminder app using Java SE, Java EE and Spring Framework.
- Conduct unit testing and code reviews to ensure the reliability and quality of the software.

Course Projects:

- Completed 10 weekly projects using Object Orientated Programming, Generic & Abstract Data Types, Algorithm Analysis, Recursion, Sorting & Search, Binary Search Trees, Lists & Iterators, Stacks, Queues & Heaps using Java.
- Completed projects based on Hashtables, Red Black Trees and Dijkstra's Algorithm in Java Data Structures. Took on roles such as Backend Developer, Data Wrangler, and Frontend Developer.

WORK EXPERIENCE:

College of Engineering – CEETE, Madison, WI

Student Consultant

February 2023 – Present

- Assist University Instructors with the technical parts of teaching such as Canvas, HonorLock, Gradescope, Kaltura Gallery, GSuite and more.
- Collaborate with instructors to develop and deploy web-based course materials, leveraging tools such as learning management systems (LMS) and content management (CMS).

Girl Develop It

Technology Intern (remote)

January 2023 – Present

- Teaching assistant & peer mentor for HTML, CSS, JavaScript, Python and Java.
- Develop and curate content, taught and led the course "Introduction to Programming".

Fluno Center For Executive Education, Madison, WI

Front Desk Admin

August 2022 – Present

- Greet visitors and clients. Answering and directing phone calls. Scheduling appointments and meetings.
- Manage information flow, filing and data entry.

The Reap Benefit Foundation, Bangalore, India

Tech Intern

June 2022 – August 2022

- Developed interactive surveys, forms & quizzes using HTML, CSS, and SQL to gather information regarding local civic problems in the city.
- Analyzed the data collected using data visualization to help the foundation develop a viable solution.

Priya Math Academy, Bangalore, India

Website Developer and Admin

May 2020 – August 2021

- Designed and developed the website for Priya Math Academy using WixCode. Helped move the business online to the GSuite during the middle of the pandemic.