

Priyanka Iyer

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Education

Washington University in St. Louis - Computer Science and Finance

December 2021

GPA: 3.85/4.00 | Dean's List All Semesters | **ACT:** 34 **SAT:** 1530/1600 **Sub. Test Math II:** 800/800

Skills/Databases: Python, MySQL, AWS (EC2), Linux/Unix, Java, C++, Tableau, HTML/CSS, PHP, JavaScript, Node.JS, Socket.IO, React

Selected Coursework: Rapid Prototype Development, Object Oriented Programming, Data Structures and Algorithms, Advanced Financial Management, Principles of Financial Accounting, Logic and Discrete Mathematics, Probability & Statistics for Engineering

Work and Project Experience

Caterpillar Inc. – Engineering Data Analytics Intern

May – Aug 2019

- Overhauled the team's prior strain gauge data analysis process to Python scripting, cutting down the time to run future gauge analyses from hours to minutes.
- Adapted several early-stage Python data analysis scripts to read from a specialized database and crunch real time product sensor/gauge data.
- Programmed the script to predict truck life-hours and automated the process to update daily, storing results in Teradata cloud.
- Devised a new method of data channel segmenting using Python scripting, enabling the team to match another proprietary software's data segmenting style when running relevant analyses.
- Visualized and presented Tableau data analysis dashboards to Engineering and Marketing team stakeholders.

Project – Interactive Calendar Website

March 2020

- Designed and coded a simple user interactive calendar using JavaScript, jQuery, AJAX, and MySQL. Built in functionality for users register and login to calendar, create/edit/delete events, filter events, and share events.

Project – Multi-Room Chat Server

March 2020

- Built an online chat service using Node.JS and Socket.IO. Built functionality for users to sign on with an anonymous nickname and send messages in the main lobby chat, create chat rooms and join other chat rooms, friend users, and private message.

Service Experience

South East Asian Literacy – Lead Tutor

2014 - 2017

- Tutored over a dozen refugees from Myanmar, Syria and Eritrea on reading/writing and homework.
- Created a custom ACT/SAT Prep curriculum. Led a tutor training bootcamp to equip tutors with the skills necessary to deliver effective test prep for over a dozen students.

Democratic Party of Wisconsin – Fellow

Aug – Nov 2016

- Organized and facilitated speaker events, recruited and trained over sixty volunteers, and orchestrated GOTV canvassing/phone-banking operations on the Coordinated Presidential and Senatorial campaigns.

Leadership and Activities

Computer Science Tutor, Teaching Assistant - CSE 131 Introduction to Computer Science, Engineering Student Services

Director of Finance, Professional Development Committee – Women in Computer Science

Lead Musical Director - Sur Taal Laya – South Asian Fusion Acapella Team

- Lead team of 17 singers and conduct practices three times a week to improve dynamics and elevate overall quality of performance; arrange new performance music and choreograph stage formations and choreography

Entrepreneurship and Innovation Bear Leader – 2019 Bear Beginnings Freshmen Orientation

- Led 23 freshmen in their first few days at WashU through entrepreneurship activities, a startup pitch competition, local startup spaces, and bonding activities. Helped pique their interest in getting involved in WashU and St. Louis entrepreneurship.

Vice President Alumni Relations – Delta Sigma Pi - Professional Business Fraternity

- Actively reached out to alumni for mentorship opportunities, facilitate mutual exchanges of information and opportunity, organize on and off-campus events, enable chapter members to dynamically interact with alumni base (and vice versa)

Awards and Scholarships

Champions – Olin Business Class of 2022 Case Competition (Walt Disney Co.); 2019 McLeod First-Year Writing Prize Awardee;

2018 National Foundation for Women Legislators Scholarship; Herb Kohl Foundation Student Excellence Scholarship; WI State Forensics

Champion in Original Oratory; National Merit Scholar Finalist; Wisconsin State Senate Scholar

Interests

Performing Bharatanatyam Dancer – Indian Classical Dance - 11 years | Indian Classical Singer – Carnatic Music – 6 years

- Wisconsin Arts Board Folk and Traditional Arts - Apprenticeship Grant Recipient

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