Name Summy Kermarie Desk No. Unknown

Boiling Point Elevation Prelab

van't Hoff factor is valenated by i. It tells us about the numbers of conspharticles a solute dissociates under when it is dissociated in Solvent, It is directly proposional to the booking holint elevation.

2. The boiling point of a children of a chil

2. The boiling point of a solution containing 5.35 g of a nonvolatile hydrocarbon in 102.2 g of acetone is 56.60°C. What is the molecular weight of the hydrocarbon?

For acetone, $T_b = 55.95^{\circ}\text{C}$ and $K_b = 1.71^{\circ}\text{C/m}$

Disolution) = 55.95°C i=1, lecause of hydrocarteen

To isolvent repulse of a solvent $-56.60-55.95 = 0.65^{\circ}C$ $-277_{b} = 56.60-55.95 = 0.65^{\circ}C$ $-271^{\circ}C1m$

ATD = eKbon

0.65 = 1×1.71m

moles of hydrocarbon= or 38 mol/kg = 0.65 = 0.38 mol/kg hydrocarbon= on x kg of solvent = 0.88 x 0.1022 = 0.039 = 525 a =137.5

moleir mass = mass of solute

Simmi Kumari

Atlanta, GA | simmikumari942@gmail.com | +1-404-593-7480

thttps://www.linkedin.com/in/simmi-kumari12| __ https://github.com/simmikumari12

EDUCATION

Bachelor of Science in Computer Science

August 2024 - December 2028

Georgia State University | Honors College

Atlanta, Georgia

Awards/Honors: Georgia State University's 100% Campus Atlanta Freshmen Scholarship

Organizations: Computer Science Club, Cybersecurity Club, Chess Club, Student Alumni Association, Mathematics and Statistics Club, WomenLead, Finance & Investment Network,

Programming Club @ GSU, Girls++

Relevant Coursework: Hons. Principal of Computer Science – I (Fall'24), Calculus I (Fall'24), Hons. Leadership Seminar (1000), Hons. Principal of Computer Science – II (Spring'25), Theoretical Foundation of Computer Science (Spring'25), Calculus II (Spring'25)

SKILLS

Programming Languages: C, C++, Python, and JavaScript

Software/Skills: Android Studio, VS Code, Microsoft Office Suite, GitHub, HTML, CSS, Final Cut Pro, DaVinci Resolve

Certifications:

- Harvard's CS50P Introduction to Programming with Python (Ongoing)
- Harvard's CS50x Introduction to Computer Science (Ongoing)

Soft Skills: Problem-Solving, Critical Thinking, Leadership, Time Management, Adaptability, Teamwork

WORK/VOLUNTEER EXPERIENCE

Undergraduate Lab Assistant

Volunteer Researcher

January 2025 - Present

Mathematics Interactive Learning Environment (MILE)| Georgia State University

- Guiding 50+ Precalculus students weekly, enhancing their understanding of mathematical concepts
 - Facilitating a positive and engaging learning environment by encouraging patience, problem-solving, and a growth mindset, which has lead to a 15% improvement in student performance.
 - · Coordinating with faculty and staff to maintain an organized and effective tutoring center, ensuring resources are readily available for students.
 - Applying strong mathematical knowledge and interpersonal skills to address students' individual learning needs.

University AI Research | Georgia State University

September 2024 – December 2024

- Conducted research as part of the AI2 Research Laboratory, which aims to use AI to enhance student's learning experience.
- · Worked on the front-end development of research projects using HTML, CSS, and JavaScript to create a user-friendly interface.
- Tested AI and path finding algorithms models.
- Collaborated in a team of 4, contributing to software development and usability improvements.
- Skills: Python (Programming Language) · Cascading Style Sheets (CSS) · HTML · JavaScript · React

Graphic Design Intern September 2023 - April 2024

DUBLIEU | Bengaluru, India

- Designed 20+ visual materials, including posters and presentations, aligning with client expectations and project goals.
- Managed project deadlines and collaborated with cross-functional teams, enhancing my attention to detail and teamwork skills.

LEADERSHIP & DEVELOPMENT

Orientation Leader June 2023 - May 2024

Jain College | Bengaluru, India

- Directed orientation sessions, guided new students, and led campus tours, ensuring a welcoming environment.
- Collaborated with staff and faculty to organize successful orientation events, effectively balancing multiple responsibilities.
- Provided clear, accurate information to incoming students, strengthening my public speaking and organizational skills.

Member of Computer Console Team, Cultural Forum

April 2024 - September 2023

Jain College | Bengaluru, India

- Directed a team in organizing technical aspects of cultural events and festivals, including managing event logistics and ensuring smooth process.
- · Gaining valuable experience in an award-winning program focused on digitalization, problem-solving, leadership, and effective teamwork.

PROGRAMS & AMBASSADORSHIPS

Microsoft Learn Student Ambassador

January 2025 - Present

Microsoft | Global Program

- · Recently enrolled in the global Microsoft Learn Student Ambassador program to advocate for technology education and innovation.
- Organized workshops and events to introduce students to Microsoft's tools and resources, enhancing technical literacy.

CodePath Summer Program Summer 2025

CodePath

- Accepted into the highly selective CodePath Summer Program focused on advanced software engineering concepts.
- Will develop foundational skills in mobile and web app development through hands-on projects and peer collaboration.