

678-551-3943
440 Linden Ct, Suwanee, GA 30024

Ashwin Gangadharan Rani

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U.S. Citizen

OBJECTIVE

Self-motivated engineer with strong technical and entrepreneurial skills looking to obtain a co-op or internship in the oil & gas industry to grow my knowledge and skills in the chemical engineering field.

Commented [PU1]: Edited

EDUCATION

Georgia Institute of Technology, Atlanta, GA
Major: Chemical and Biomolecular Engineering
GPA: 3.02/4.00

August 2018-May 2022

SKILLS

- Coding knowledge: HTML, MATLAB, Python, Java
- Lab experience: proficient in pipetting, titrations
- Proficiency in Microsoft Word, PowerPoint, Excel
- Proficiency in Adobe Acrobat, Illustrator, Photoshop
- Relevant CHBE Coursework: Chemical Process Principles

Commented [PU2]: Beef this up also

PERSONAL INTERESTS/ACHIEVEMENTS

- Teaching, tutoring
- Sports: Track and field, soccer, basketball
- Zell Miller Scholarship
- Spring 2019 Dean's List

Commented [PU3]: Any awards or accolades? Any scholarships?

WORK EXPERIENCE

Researcher in the Chip Scale Power & Energy VIP program

January 2019-May 2019

- Conducted experiments on 10 different ionic liquids (ILs) to study their characteristics
- Tested IL characteristics such as conductivity, viscosity, and electrochemical window
- Worked with supercapacitors and implemented modifications for space launch

Commented [PU4]: What was the outcome of this experiment?

Alpharetta Kumon Center

August 2016-August 2018

- Instructed over 100 students ranging from kindergarten to 12th grade
- Educated students in Math and English subjects spanning from addition and subtraction to college-level calculus and basic letters to SAT-level reading comprehension
- Increased student SAT scores by 20% and school grades by 2 or more letter grades i.e. F- to B+

Commented [PU5]: How did you improve their scores?
Ex: helped increase SAT score by 20%... Improved grades by whole letter grade or 5 points?

Johns Creek Eye Level

August 2017-May 2018

- Facilitated learning environments for students struggling in Math and English
- Helped one student increase his Math grade from a C to an A
- Led small group work sessions and managed groups of 3-4 students at a time

Commented [PU6]: Exaggerate your outcomes. Maybe expand by saying helped underclass by leading study sessions.

ACTIVITIES/LEADERSHIP

Sigma Beta Rho Fraternity Inc., Atlanta, GA

November 2018-Present

- Discovery Program (Hands on ATL)
 - Tutor 2-3 elementary school children in Math and English on a weekly basis
- Brotherhood Committee
 - Oversee the internal operations and events of the fraternity
 - Allocate ~\$1000 in funding and reserve venues for a multitude of events
- Philanthropy Committee
 - Raised over \$2000 for our "Shave to Save" charity event

Commented [PU7]: How many kids? How often (weekly, biweekly, monthly)?

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- Rush Committee
 - Held over 20 brothers accountable for rush events over the course of 2 weeks (Fall 2019)

Grand Challenges Living Learning Community

August 2018-May 2019

- Studied and mastered skills in leadership and teamwork
- Researched the problem of power loss in life support devices and created a prototype