

# Sashri Brahmakshatriya

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## SUMMARY

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- Undergraduate student with experience in SSD performance analysis
- Research interests include hardware benchmarking, memory optimization, and data storage systems
- Experience with C and Python programming languages
- Seeking a summer internship

## EDUCATION

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### Florida International University

*Bachelor of Arts in Computer Science, GPA: 3.83/4.00*

Miami, FL

*Expected Fall 2023*

### Coral Reef Senior High School

*Engineering Academy, GPA: 4.20/5.00, SAT: 1380*

Miami, FL

*June 2015 – June 2019*

## EXPERIENCE

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### Student Research Assistant

*Florida International University*

January 2021 – Present

*Miami, FL*

- Design infrastructure to analyze multiple I/O workloads over varying benchmarks
- Analyze environmental impact on SSD performance such as temperature and humidity variation
- Employ statistical analysis to develop hypotheses and possible explanations for results
- Collaborate with Ph.D. and other undergraduate students to study trends in relevant data

### Assistant Cashier

*Costco Wholesale*

October 2019 – January 2020

*Miami, FL*

- Converse with members to make them feel confident and secure with their purchases
- Persuade members to renew or upgrade their membership

### Office Aid

*Coral Reef Senior High School*

August 2018 – June 2019

*Miami, FL*

- Explain to parents the provided accommodations provided for their child's condition i.e. extended time procedures, alternative location testing, etc
- Assist staff in the humanities department with homework and test grading

## PROJECTS

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### Environmental impact on SSD's | *Python (Pandas, Numpy, Matplotlib)*

January 2021 – Present

- Analyze "Smart-Log" and "dstat" monitoring systems to reach conclusive findings
- Interpret Cumulative Distribution functions (CDF) post-run to baseline
- Employ Mean, Median, Mode Analysis to study trends across vendors

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, HTML/CSS

**Developer Tools:** Netbeans, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib

## RELEVANT COURSEWORK

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**Engineering:** Applied Engineering 1-3

**Programming:** Systems Programming, Data Structures, Discrete Structures,

**Mathematics:** Statistics for Business and Economics, Calculus 1-2