

# SAIRAJA KURELLI

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## EDUCATION

### University of Texas at Austin

Austin, TX

Bachelor of Science in **Computer Science** - 3.8 GPA

Graduating May 2024

- **Relevant Coursework:** Data Structures, Computer Architecture, Operating Systems, Linear Algebra, Statistics

### Dulles High School

Sugar Land, TX

Math and Science Academy

Aug. 2016 – May 2020

## EXPERIENCE

### Software Engineer Intern

Jun. 2021 – Aug. 2021

Tata Consulting Services

- Executed data conversion for customers' AP, AR, and GL Transactions using FBDI CSV files
- Role provisioned for on-boarding users and Inactivated Oracle User Accounts for off-boarding.
- Used Oracle **REST APIs** to update AP and AR invoices.
- Developed OTBI and BIP Reports using **SQL** queries.

### Student Researcher

Jun. 2019 – Aug. 2019

Rice University

- Researched Efficient Bucket and Permutation Sizes for Minhashing with Professor Anshumali Shrivastava
- Optimized implementation of Murmurhash in **Python** for Minhashing Algorithm for a 3-4% improvement

### Software Engineer Intern

May. 2019 – Jul. 2019

PetroEd

- Implemented Naive-Bayes Classifier in **Java** as Similarity Checker between Lesson Objectives and Modules
- Developed e-learning software based on **SkillGRID LMS** and **SkillGRID CMS** format to license to oil/gas companies

### Curriculum Developer & Lead Tutor

Jun. 2018 – Jun 2021

Sigma Learning Center

- Taught high school math & science courses including AP Physics C, AP Chemistry, AP Statistics
- Designed and led summer Java Course over basics of **Java**, simple data structures, and **OOP concepts**

## LEADERSHIP

### Vice President of Finances

Aug. 2020 – present

Association for Computing Machinery

University of Texas

- Managing budget resources for the 2020-2021 and 2021-2022 year
- Discussed and hosted community meetings to build ACM community

### President

Sep. 2016 – 2020

Computer Science Club

Dulles High School

- Developed Point System and Barcode Logins increasing membership three-fold
- Organized Dulles CS contest including problem writing, managing finances, and hardware setup
- Published videos, quizzes, and exercises in preparation for UIL contests on [courseful.thinkific.com/courses/java](https://courseful.thinkific.com/courses/java)

### Competition Manager and Co-Founder

Sep. 2018 – 2020

Economics Club

Dulles High School

- Organized 3-4 National Economic Challenge, Knowledge@Wharton, and Personal Finance Challenge groups
- Taught Macroeconomics concepts such as Inflation and GDP

## AWARDS AND HONORS

National AP Scholar and National Merit Commended Scholar

USA Computing Olympiad Silver Division

Top Economics Score in Texas for Academic Decathlon at Districts

3rd in State for National Economics Challenge in David Ricardo Division

## TECHNICAL SKILLS

**Languages:** Proficient in Java, SQL, Python, C/C++, and HTML/CSS

**Developer Tools:** Git, UNIX, VS Code, IntelliJ, Octave