SAIRAJA KURELLI

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EDUCATION

University of Texas at Austin   Austin, TX
Bachelor of Science in Computer Science - 3.9 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. 2022 – Present
Visa
- Optimized **SQL** scripts that aggregated Visa's datalake to reporting tools like Tableau
- Setup direct connections to **Spark-Thrift** data servers using **JDBC** to develop in-house data processing

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

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 with rewards to increase 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

PROJECTS

First Place Team at HackMerced-VII with project *Lablr* for Instagram
- Developed Extension to monitor Image Distortions and assign tags for a healthier body mindset for young users

Software Lead on team *RegoSafe*
- Detected the state of lunar machinery using **PyTorch** with a 75% AP Score

TECHNICAL SKILLS

Languages: Proficient in Java, SQL, Python, C/C++, and HTML/CSS
Developer Tools: Git, UNIX, VS Code, IntelliJ, Octave