



University of Silicon Andhra

UNLOCK THE POWER OF DATA

Summer Workshop on STORYTELLING WITH DATA for High School Students

Ignite Your Creativity and Transform Numbers into Compelling Stories!

Welcome to the Exciting World of Data Storytelling!

Get ready for a two-week 2024 summer of creativity, exploration, and discovery as you dive into the captivating realm of data storytelling!

Learn the art of turning data into compelling stories that captivate audiences and drive real-world impact.

June 17-28, 2024 9 am - 4 pm (Mon-Fri)

**1 Workshop: \$900 | Both Workshops: \$1500
(Lunch Provided)**

WHO CAN ENROLL: HIGH SCHOOL STUDENTS

Eligibility Criteria:

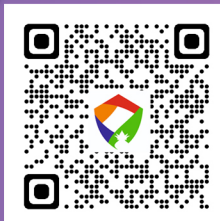
- * Must have completed at least one course in Algebra
- * Knowledge of Computer Programming not required
- * A personal laptop is required
- * **Deadline to register is Wednesday, May 15, 2024**

Do not Miss Your Chance to Become a Data Storyteller!



Apply Now and Embark on a
Two-week Summer Journey
Where Data Comes Alive!

Register at
<https://soc.uofsa.edu/summer2024>



WORKSHOP TOPICS

- Extracting, normalizing and transforming data
- Data quality assessment
- Exploratory data analysis
- Data storytelling principles
- Effective visuals and use cases
- Preattentive attributes to capture audience's attention
- Visual designs
- Power of repetition and narrative flow
- Graphics, Grid, and Lattice R packages
- ggplot2 and ggvis R Packages
- Dynamic visualization with Plotly
- Pulling it all together

TECHNOLOGIES AND TOOLS USED IN THE WORKSHOP

- Quarto R
- Base R graphics
- Lattice graphics package
- Grid graphics package
- ggplot2 graphics package
- ggvis interactive graphics package
- Plotly

For more information: info@uofsa.edu
Toll Free: 1 (844) 872 8680





**University of
Silicon Andhra**

Become A Data Detective

A Summer Workshop for High School Students

We live in a data-driven society, and data is a valuable asset. The 2023 global enterprise data management market is estimated at \$99.31 billion.

The School of Computing at the University of Silicon Andhra (UofSA) invites you to join the upcoming summer workshop, where you will discover the magic of data modeling, relational database design and development, and retrieving and modifying data through SQL queries.



June 3 -14, 2024 9 am - 4 pm (Mon-Fri)

**1 Workshop: \$900 | Both Workshops: \$1500
(Lunch Provided)**

WHO CAN ENROLL: HIGH SCHOOL STUDENTS

Eligibility Criteria:

- * Must have completed at least one course in Algebra
- * Knowledge of Computer Programming not required
- * A personal laptop is required
- * **Deadline to register is Wednesday, May 15, 2024**

**Do not Miss Your Chance to
Become a Data Detective!**



**Apply Now and Embark on a
Two-week Summer Journey
Where Data Comes Alive!**



WORKSHOP TOPICS

- Data modeling
- Relational data model concepts
- Mathematical set theory
- Relational algebra
- Relational database design
- Creating databases
- Data loading
- Retrieving and modifying data
- Data access control and authorization
- Indexing strategies
- Query optimization
- APIs and application development

TECHNOLOGIES AND TOOLS USED IN THE WORKSHOP

PostgreSQL | pgAdmin | Quarto

Register at <https://soc.uofsa.edu/summer2024>
Contact: info@uofsa.edu | 1 (844) 872 8680

