



### Shiva-Vishnu Temple

Om Namah Shivaya    Om Namo Narayanaya

### Hindu Community and Cultural Center

1232 Arrowhead Ave, Livermore, CA 94551

A Non-Profit Organization since 1977  
Tax ID# 94-2427126; Inc# D0821589  
Tel: 925-449-6255; Fax: 925-455-0404  
Web: <http://www.livermoretemple.org>

HCCC Youth & Education and Young Adults Present

# STEM+ Summer 2020 Workshops

**5- 6 Classes each**  
(starting from 07/18/2020)  
**Time: Details Below**  
**Who: 5-18+ Yrs., varies by Class**  
**\*\* This Program is Free \*\***

**Limited Seats (20 For each)**  
**Registration: Required (See link below)**  
**Venue: Online**  
**Program Coordinators:**  
**Srikali, Goutam, Prasanna and Vivek**

## Monday Workshops

### Workshop 1: Programming in C++ with Data Structures (WS1)

- Review C++ Programming
- Intro to Data Structures
- Implementing Data Structures with C++ and Applications to Sorting and Searching

**Age: 15 – 18+ years, should know basics of programming and knowledge of Object-Oriented Programming is a plus (Call Srikali for exceptions)**

**Instructor & Mentor: Srivishnu Vedanthi**

**Time: 3:30 pm – 5:00 pm**

## Tuesday Workshops

### Workshop 2: Introduction to Python Programming (WS2)

- Introduction to Python Programming
- Data Types
- Programming Constructs
- Application and Project

**Instructor & Mentor:**

**Sri Akshit Nalla**

**Time: 3:00 pm – 4:00 pm**

### Workshop 3: Constructive Writing, Publishing and Journalism (WS3)

- Introduction Constructive Writing
- Creative Comic, Story and Poetry
- Publishing Fundamentals
- Introduction to Journalism, Ethical and Truthful Reporting

**Instructor & Mentor:**

**Srikali Varanasi**

**Time: 4:10 pm – 5:10 pm**

**(Workshop Details to be continued on the next page)**



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### Wednesday Workshops

#### Workshop 4: Intro to Cyber Security with C or C++ Programming (WS4)

- Intro to C or C++ programming
- Intro to Cybersecurity
- Implementing Cybersecurity algorithms in C Language
- Applications and Project

Children from 14-18+ years, Knowledge of any programming language preferred

Instructor & Mentor:

**Aarush Agarampur**

Time: 3.00 PM – 4.00 PM

#### Workshop 5: Good Citizens' Summer Reading Workshop (WS5)

- Read Interesting books
- Write and Share book reviews
- Build interest in reading and reviewing

Children Age: 5 -12 years

Instructor & Mentor:

**Ahana Deshpande**

Time: 4.10 PM – 5.10 PM

### Thursday Workshops

#### Workshop 6: Fun with Math and Science (WS6)

- Interactive session on the origin of concepts like Pi, Pythagoras theorem
- Application and use of the concepts
- Interesting and fun way to learn

Age: 8 – 16 years

Instructor & Mentor:

**Shruthika & Meena**

Time: 4:00 pm – 5:00 pm

**(Workshop Details to be continued on the next page)**



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### Friday Workshops

#### Workshop 7: Workshop “Dhanvantari” - Health, Wellness and Nutrition for communities (WS7)

- Health & Life, what is Health and Wellness? Science behind Health and wellness
- Know Your Body (KYB), Build Your Energy
- Food Paradigm, Food choices you make & Watching out for fad-diets
- Nutrition, Microgreens, Satvik food & healthy cooking
- Healthcare Paradox: Health Insurance, Treatment, Choices and Making decisions for your health

Instructor & Mentor:

**Goutam Vedanthi**

Time: 4.30 pm – 6.00 pm

### Saturday Workshop Details

#### Workshop 8: VSN Chanting, Spoken Sanskrit and Story Time (WS8)

- viShNu sahasra nAma chanting
- Spoken Samskritam
- Story Time

Instructor & Mentor:

**Srikali, Venu,  
Ramaswamy, & Goutam**

Time: 11:00 am – 12:20 pm

#### Workshop 9: Pre-Algebra (WS9)

- Introduction to Algebra
- Rigorous learning of Pre-Algebra
- Getting ready for Algebra

Instructor & Mentor:

**Bheemesh Chinta**

Time: 12:30 pm – 1:30 m

**(Workshop Details to be continued on the next page)**



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## Saturday Workshop Details (Continued..)

### Workshop 10: Pre-Calculus (WS10)

- Introduction to Pre-Calculus
- Concepts of Limits, Continuity, Derivatives and Integrals
- Application in real world problems

Instructor & Mentor:

**Venkat Mynampati**

Time: 1:40 pm – 2.40 pm

### Workshop 11: Android Programming (WS11)

- Introduction to App Development
- Android vs. IOS
- Group Small App Development
- Projects

Instructor & Mentor:

**Bindu Raj**

Time: 2:50 pm – 3:50 pm

### Workshop 12: “Kalpadruma” Art Workshop - Digital Art, Animation and Movie making Fundamentals (WS12)

- Intro to Art and Digital Art (Photography, Video, Audio etc)
- Intro to Animation & Character Design
- Fundamentals of Movie Making

Instructor & Mentor:

**Sumedh Vedanthi**

Days and Time: TBD

**\*\*Registration Details on Next Page\*\***



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## **Important Points to Note**

- 1. Laptop is Required for every student for Programming Workshops**
- 2. For more details send an email or call the workshop coordinators**
- 3. Those who complete the workshops without skipping classes will receive certificate of completion**
- 4. Dates and times of starting may change if required by the mentors**
- 5. Most classes have practical applications, project and final presentation by participants**

### **Click the Link Below for Registration**

### **Summer 2020 - STEM + Workshops**

[Click here to Donate](#)

### **Workshop Questions? Contact Workshop Coordinators**

**Srikali Varanasi – 510-506-3706**

**Prasanna Lakshmi – 786-393-8191**

**Vivek Deshpande – 661-312-3274 (Contact after 6 PM)**

**Goutam Vedanthi – 510-506-3713 (Contact after 6 PM)**

### **Program Questions?**

**Contact: Manohar Mahavadi, Youth & Education EC Chair**

[ec\\_youth\\_education@livermoretemple.org](mailto:ec_youth_education@livermoretemple.org)

**Contact: Sudhindra Goutam Vedanthi, Young Adults EC Chair**

[ec\\_young\\_adults@livermoretemple.org](mailto:ec_young_adults@livermoretemple.org)



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