

2022

# Young Scholar Program



## Introduction to R

R is a statistical programming language that has open source libraries for statistics, machine learning, data science, econometrics, finance, and time series. R has best-in-class tools for visualization, reporting, and interactivity, which are as important to business as they are to science. Because of this, R is well-suited for engineers, medical students and business professionals.

NILOUFER  
TAMBOLY



1:00 – 2:00pm

12:00 -1:00pm



MEHAR  
JOHAL

## Are cybersecurity careers future proof?

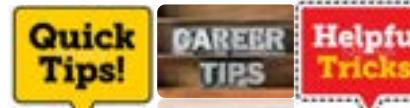
- How does cybersecurity impact us and is it a good career option?
- What are the different careers and how to prepare for them.
- Practical tips to effectively plan and execute your career roadmap.



ALUMNI  
TALKS

2:00 – 2:45pm

2:45 – 3:00pm



YOUNG SCHOLAR

JULY 9, 2022

All times are in EST

## NoSql - Simply Explained : DynamoDB Demo

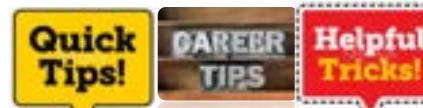
Learn the basics about NoSQL database, Its type, feature, and usage. Compare SQL and NoSQL database. Live demo for Amazon NoSQL database DynamoDB will be provided.



DHRUV  
RAI



1:00 – 2:00pm



2:45 – 3:00pm



12:00 -1:00pm



MEHAR  
JOHAL

## Data Analysis

Today everything is being tracked and information is being collected. Businesses and governments search through data to create strategies for marketing, operations, public works and a plethora of other categories. We will show you some common data analysis techniques and examples with real world data.



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## Introduction to SQL

Structured Query Language (SQL) is the method through which we can extract information from the ever growing data. This webinar will provide knowledge of SQL fundamentals as well as some advanced features with real examples. It will also introduce you to the relational database structure and how to combine different data tables.

MEHAR  
JOHAL



1:00 – 2:00pm

12:00 -1:00pm



DHRUV  
RAI

YOUNG SCHOLAR

JULY 16, 2022

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Quick  
Tips!

CAREER  
TIPS

Helpful  
Tricks!

2:45 – 3:00pm

2:00 – 2:45pm



ALUMNI  
TALKS

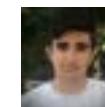
## Introduction to Unix

Introduction to Unix, an operating system that formed the foundation of Linux and almost all other modern OS's that we work on today. We'll cover the basics of what is Unix, and some of the ways to best utilize it through commands and script

## Intro to Jupyter Notebooks

Python is increasingly being used in data science and Jupyter Notebook is a unique web based python coding environment that has become a popular choice for the data scientist to develop and share their projects. This webinar will show you how to set up the tool and its basic usage with hands-on practical demonstrations using Python

ARSH  
BATTH



1:00 – 2:00pm

12:00 -1:00pm



DHRUV  
RAI

## Data Structures and Algorithms

This course will cover the main data structures used by programmers and the algorithms which they use to extract information from them. This includes but is not limited to stacks, queues, maps, trees, and sets. The algorithm portion of the course will be much shorter and will focus on in/pre/post and DFS traversal as well as Dijkstra's algorithm.



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JULY 17, 2022

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Quick  
Tips!

CAREER  
TIPS

Helpful  
Tricks!

2:45 – 3:00pm



## Intro to Python

This Python course will cover all the basics to advanced concepts of Python programming. The course is filled with real-life examples along with in-depth hands-on demos.

SANYA  
NATH



1:00 – 2:00pm

12:00 -1:00pm



**ARSH  
BATTH**

## Intro to Cloud Computing

Learn about the foundations of Oracle Cloud Computing. This is a cloud services platform allowing you to create a variety of applications in a high-performance, and highly accessible environment. This introductory live webinar will provide an overall view, and guidance for the free Oracle Cloud Computing Foundations Certification available.



YOUNG SCHOLAR

JULY 23, 2022

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Quick  
Tips!

CAREER  
TIPS

Helpful  
Tricks!

2:45 – 3:00pm

2:00 – 2:45pm

12:00 -1:00pm

1:00 – 2:00pm

## Unity Game Development

This course will cover the main features of the Unity Game Engine such as objects, UI, physics as well as it's integration with C#. At the end of the course, a small game will be created using whatever's been learned throughout the course presentation.

JASMEEN  
JOHAL



1:00 – 2:00pm

12:00 -1:00pm



**ARSH  
BATTH**

## Healthcare Career Exploration

Whether you're a high school student reviewing options for after graduation, a career-changer debating your next steps, or someone thinking about an advanced degree, there is a health care career for you. Discover how you can apply your love for helping people or advancing the medical field to your next career. Find the spot where your passion meets your profession.



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TALKS

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JULY 24, 2022

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Quick  
Tips!

CAREER  
TIPS

Helpful  
Tricks!

2:45 – 3:00pm

2:00 – 2:45pm

12:00 -1:00pm



## Introduction to Java

- What is the history of Java and its various applicable modern areas of use?
- An introduction to the structure and syntax of the programming language
- Why Java over other programming languages?.

12:00 - 1:00pm



SIMARBIR  
GILL

RAVINDER  
GILL

1:00 – 2:00pm



YOUNG SCHOLAR

JULY 30, 2022

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Quick  
Tips!

CAREER  
TIPS

Helpful  
Tricks!

2:45 – 3:00pm



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TALKS

## Blockchain / Crypto

- Introduction to Blockchain and Crypto.
- What is it and how does it work?

## Finance

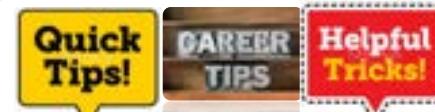
- What are the basic forms a business can take?
- What financial statements do businesses generate?
- How to measure a company's financial health?



RAVINDER  
GILL



1:00 – 2:00pm

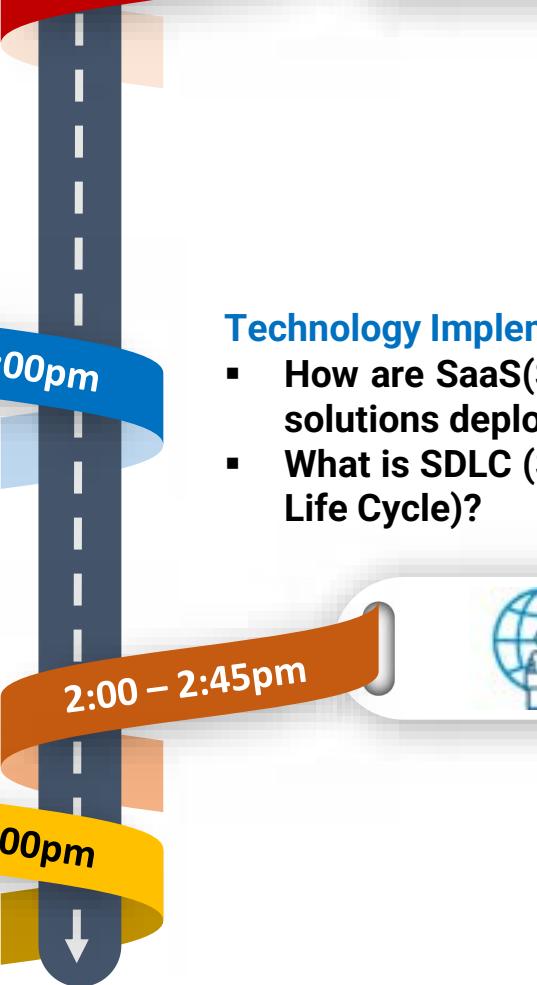


2:45 – 3:00pm



## Technology Implementation

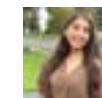
- How are SaaS(Software as a Service) solutions deployed?
- What is SDLC (Software Development Life Cycle)?



## Intro to Medical Profession

Have you ever wondered about the numerous healthcare vocations? Do you have your heart set on one, or are you scouting for more potential options? Be exposed to and explore many medical pathways in a live webinar. Learn about new careers you may have not known about before, or maybe you'll discovery a hidden calling!

ANMOL  
KHURANA



1:00 – 2:00pm

12:00 -1:00pm



SANYA  
NATH

## Amazon AWS Technologies

This will cover some of the Amazon AWS cloud technologies.



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TALKS

YOUNG SCHOLAR

AUGUST 6, 2022

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Quick  
Tips!

CAREER  
TIPS

Helpful  
Tricks!

2:45 – 3:00pm

2:00 – 2:45pm

