



# CPA: Programming Essentials in C++

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student has studied the following skills:

- the universal concepts of computer programming,
- developer tools,
- the syntax and semantics of the C++ language, as well as basic data types in the C++ language,
- the principles of the object-oriented model and its implementation in the C++ language,
- the means by which to resolve typical implementation problems with the aid of standard C++ language libraries,
- the writing of C++ programs using standard language infrastructure, regardless of the hardware or software platform.

This Statement of Achievement is to acknowledge that during the course CPA: Programming Essentials in C++, the student has been able to accomplish coding tasks related to the basics of programming in the C++ language, and understands the fundamental notions and techniques used in object-oriented programming.

By completing the course, the student is now ready to attempt the qualification CPA – C++ Certified Associate Programmer Certification, from the C++ Institute.

**LALITHA ANUPAMA ANNAVARAPU**

Student

**VR Siddhartha Engineering College**

Academy Name

**India**

Location

**21 Apr 2021**

Date

**MUKESH CHINTA**

Instructor

Instructor Signature