

Cyber Square[®]

PROFESSIONAL

where your IT work experience starts

CS INTERNATIONAL CERTIFIED PYTHON FULL STACK DEVELOPER

COURSE BROCHURE

Duration: 3 Months

Lecture sessions: 36 Hands on
Assignments/projects Soft Skill Sessions



200
Institutes



12
Countries



1M
Students

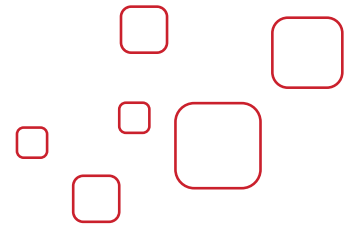
Empowering Tomorrow's High-Paying workforce
with Internship-Driven Industry Experience



ORAY
EDUCATION

<https://cybersquare.pro/>

About Cyber Square Professional



Immerse yourself in a unique learning experience where the virtual meets the real-world. Our courses go beyond conventional training, simulating a dynamic working environment that mirrors a global software company. Interns, dispersed worldwide, collaborate seamlessly on real projects, bringing the virtual workspace to life.

This international exposure not only sharpens the technical skills but also instills the collaborative spirit needed in today's interconnected software development landscape. Soft skills sessions are also seamlessly integrated, ensuring a holistic learning experience. Get ready to thrive in a virtual company setting, acquiring invaluable experience that transcends geographical boundaries.



An overhead view of a diverse group of people sitting around a round wooden table, engaged in a collaborative meeting. They are looking at documents and a tablet. A small red and blue banner with the text 'CEO's take' is positioned in the upper left corner of this image.

CEO's take



NP HARIS

Conceptualizer & CEO

OUR CEO'S MESSAGE

Dear Future Software Engineers,

For over 12 years, CyberSquare Professional has been a leader in technology training, dedicated to producing quality software engineers. Our experience has enabled us to create a unique learning experience that bridges the gap between academic learning and real-world industry demands.

Introducing CS Pro, our state-of-the-art virtual company environment hosted in the cloud. Here, interns from around the globe collaborate on real-world products, gaining invaluable hands-on experience.

In CyberSquare Pro, you join a project team, receive daily lectures, and work under a Product Owner (PO) and Scrum Master in a real Agile environment. You will actively contribute to product development, enhancing features based on backlogs and roadmaps.

We believe that working on actual projects in a real Agile environment is the best way to truly understand the role of a software engineer. This hands-on experience is unmatched and ensures you are well-prepared for your future job.

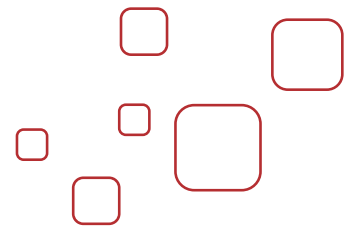
In addition to technical training, we focus on developing soft skills, human skills, and adhering to ethical standards in software development. This holistic approach ensures you are a well-rounded professional.

Join us at CyberSquare Pro and experience the most effective way to become a skilled software engineer. Let us help you build a successful career.

NP Haris

“Mastery in software development comes from hands-on experience. On-the-job training turns knowledge into skill and potential into excellence.”

About the Course



Many python courses don't provide a comprehensive understanding of how python works and how it can be used in real-world applications. And this course does just that.

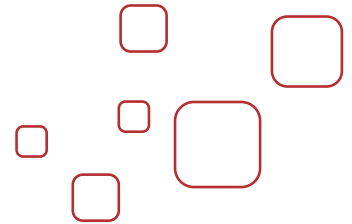


The purpose of this course is to get you from zero and help you become a Python programmer. We will achieve that by building actual desktop programs, developing interactive web applications, automating tasks, and even creating mobile apps.

And python is the number one language choice for machine learning, data science, and artificial intelligence. But first, your Fundamental understanding of Python must be solid, and that's what you will get from this course.

By the end of the course, you'll be able to apply in confidence for python programming jobs. And yes, this applies even if you have never programmed before. With the right skills which you will learn in this course, you can become employable and valuable in the eyes of future employers.



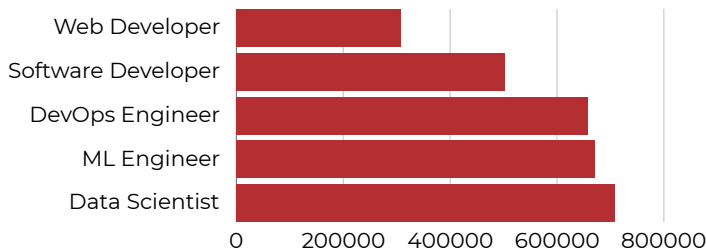


Reasons to Learn Python

High Package

A python developer has one of the highest-paid in India. An entry-level developer can earn up to 7 LPA. And with a few years of experience, salary can reach up to 10-11 LPA. Jobs such as Data Scientists or Data analysts are especially sought after, and once you become an expert in your field, your salary can go up to 17-22 LPA.

Average Annual Salary



Easy to Read, Learn and Write

Python is a high-level programming language that has an English-like syntax. This makes it easier to read and understand the code.

Python is easy to pick up and learn, that is why a lot of people recommend Python to beginners. You need fewer lines of code to perform the same task as compared to other major languages like C/C++ and Java.

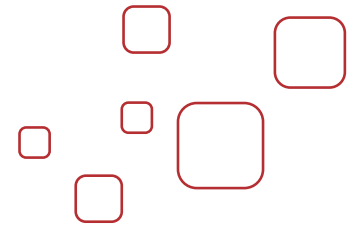
High Demand

Based on the number of job postings on one of the largest job search platforms, LinkedIn.com, Python ranks #2 in the most in-demand programming languages of 2020.

Moreover, the demand for data science and analytics positions will grow by 1581% by 2021, so you'll fill one of those jobs if you learn Python programming. According to NASSCOM, the Indian IT industry is expected to close in 2021 with over 1,38,000 net new hires, taking the total employee base to 4.47 million.

Improved Productivity

Python is a very productive language. Due to the simplicity of python, developers can focus on solving the problem. They don't need to spend too much time understanding the syntax or behavior of the programming language. You can write less code and get more things done. For example, with python, your first "Hello World!" application is only a line away, unlike the 4 or 5 lines needed for other programming languages.



Diverse Fields

Thanks to its flexibility, Python finds itself readily used by all. You're not confined to data science once you learn python programming. Instead, you can work in:

- Finance & trading
- Scientific & mathematical computing
- Web development
- System automation & administration
- Computer graphics & Basic game development
- Security & penetration testing
- Mapping and geography (GIS software)

Free and Open-Source

Since full-stack developers have expertise in multiple skills, they have the flexibility to work on either the technical aspects or the creative aspects of a project. You can explore many job positions according to your interest or pay structure.

Full-Stack developers are also preferred in leadership roles such as 'Project Manager' or 'System Architect'.

Large Developer Base

There are almost 8.2 million python developers as of 2020. Python also ranked #3 in Stack Overflow's most loved programming language by developers in 2020, after Rust and TypeScript. You might be thinking that with so many people learning python the market would be saturated., but that is not the case. Whenever you have some error or bug in your python code, you can just simply search it up on stack overflow or similar websites and there would be a lot of developers that had the same issue and it would be very simple for you to find out a solution to your problem.

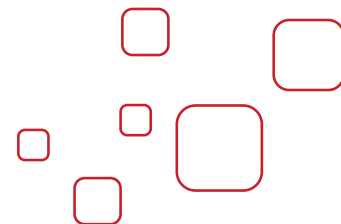
Who should take this course?



Python for whom?

A comprehensive course bridging the gap between theory and real-world applications, equipping you with the fundamental skills to become a proficient Python programmer, enabling you to confidently pursue python-related career opportunities even with no prior programming experience.

- ☐ Beginners with no prior knowledge of Python
- ☐ individuals familiar with python basics seeking to master it
- ☐ Students
- ☐ Freelancers
- ☐ Machine Learning and Artificial Intelligence Enthusiasts
- ☐ Entrepreneurs



Student Intern Status – International Point System

Embark on a structured learning journey with our **International Point System**, an essential aspect of our internship placement process.

By integrating activities such as LinkedIn profile creation, StackOverflow participation, and project development, this system encourages a comprehensive development approach, preparing students for successful careers.

This system not only establishes a standardized evaluation process but also motivates students to excel in their internship, enhancing their preparedness for future professional endeavors. Embrace the International Point System and set yourself on the path to a rewarding placement experience.

Point Accumulation

Students earn points by successfully fulfilling the required tasks and objectives.

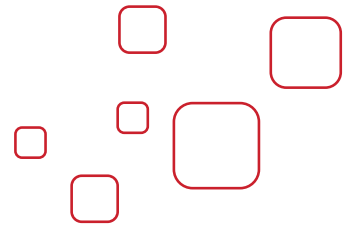


Mandatory Requirements

To be eligible for the placement process, students must complete a set of mandatory items outlined in our International Point System.

Minimum Required Points

Meeting the minimum required points is essential for students to qualify for the placement process. This ensures a fair and competitive environment.



Course content

Sprint 1

- LMS account creation, basic session
- Computer basics, computer architecture, input/output units. software, OS, cmd commands, shell commands, network, basic network commands
- Programming concepts, machine language, high level language, translators, programming language, framework, variables
- Operators, types of operators, introduction to git and GitHub
- GitHub collaboration
- HTML introduction, basic tag, formatting tags, comments, image, block level and inline tags

Project

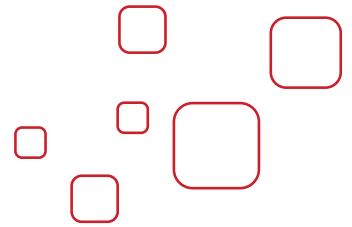
- Project Intro Session
- Project Setup
- Backend folder structure & Code Familiarization
- Scrum and Sprint review

Sprint 2

- Semantic tags, lists, hyper link, tables, forms, webhosting
- Introduction to CSS, selectors, pseudo class and pseudo elements
- CSS box model, flex and grid
- Bootstrap and its component familiarization
- Introduction to js, data types, operators, message boxes,
- Conditional statements, loops and switch

Project

- Git Branching concepts
- REST Api Concepts
- Scrum and Sprint review



Sprint 3

- Introduction to functions, key aspects of functions, scope
- String and array method, DOM
- Introduction to jQuery, jQuery effects and animations
- jQuery ajax, json parsing, handling array
- Introduction to PostgreSQL, RDBMS, keys, DDL commands
- DML commands, like operator

Project

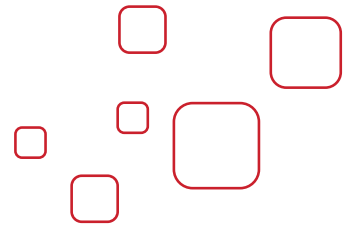
- REST Api Concepts
- Task Assignment
- Basic concepts of JWT
- Scrum and Sprint review

Sprint 4

- Psql functions, grouping, having, distinct keyword, data types
- Joins and subquery, views and index, stored procedure, normalization
- Introduction,script mode , interactive mode, python programs, comments, operators , variables, naming rules, coding standards
- Comments and datatypes
- Making decision, loops,functions and modules
- File operation, exception handling, json parsing

Project

- Workflow familiarization of an existing feature
- Scrum and Sprint review



Sprint 5

- OOPS
- Logging
- virtual environment, Django introduction, MVT

Project

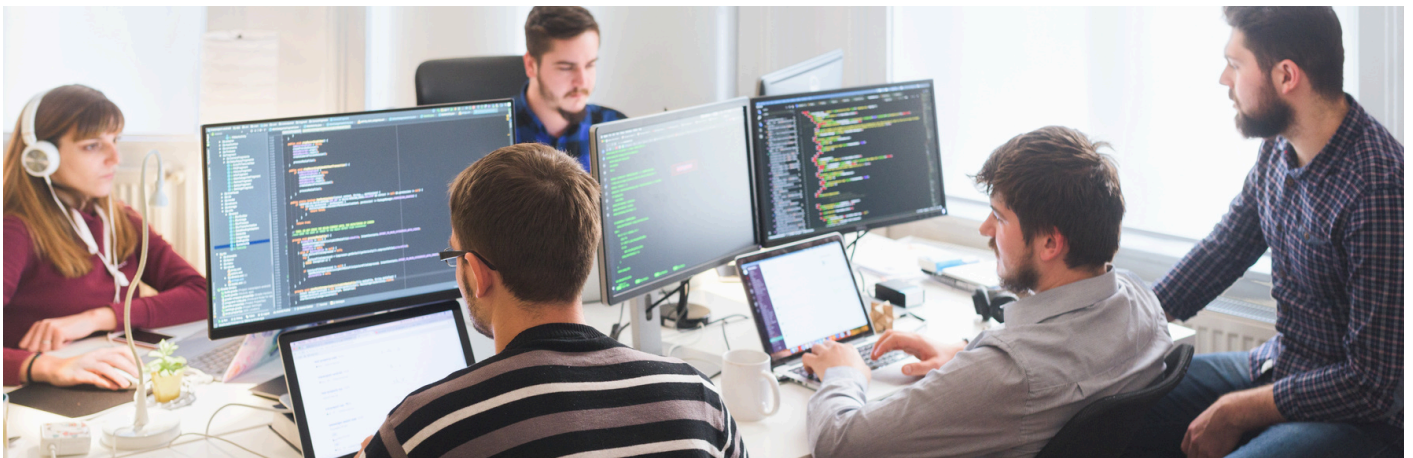
- Scrum and Sprint review

Sprint 6

- Django templating, static files, master page, setting url
- ORM, Ecommerce Project
- Ecommerce Project

Project

- Scrum and Sprint review



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Learning Path

Basics of computer science

Computer architecture and organization of Programming, Computer networking



STEP 1

Plane Project Onboarding

Onboarding into the project team, checking out the repository and setting up the environment.



STEP 2

Programing Concepts

Programming concepts, language translators etc

STEP 3



STEP 4

Git & Github

Using Git & Github for version control and collobaration.



STEP 5

UI Development

HTML, CSS , Bootstrap & JavaScript/jQuery



STEP 6

Python Programming

Core concepts of python, OOPS

STEP 7



STEP 8

Design the Database

Introduction to PostgreSQL, RDBMS, keys, DDL commands



STEP 9

Introduction to Django

Setting Django project, Django MVT, loading static files, CRUD operations.

STEP 10



Completion Certificate

CERTIFICATE



Classroom-Level Immersion: Delivered Digitally

- Any Where, Anytime access
- Online Self learning
- Courses designed by alumni of IIT, NIT & IIM.
- CS Certificate Internship Certificate & UK Certificate
- CS Talent Show



Cyber Square Pro

Our Branch All Around World



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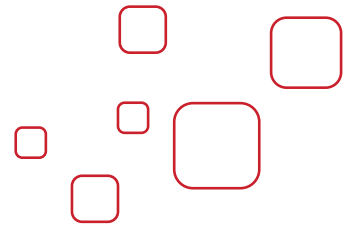
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More Information About us?



Contact Us!

Cyber Square Pro is a learning platform and resource hub for professionals looking to learn cutting-edge digital skills, whether they're coding novices or programming pros.

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Thank You!

