



4 classes per week.

mon - Thursday. Web Stack
Room B. → (2:00 - 3:00).

- Test > Cleared.

•

Language to start from.

Assessments.

Java Script.

Basic

mid-practical.

nextee team:-

Data Structure-

Application-

19] learn skills + languages.

20] practice those skills.

21] startups.

22] stabilize the business / go public.

Aipepa
Aipedata.com.

TCP / IP models :

Application layer
Telnet, SMTP, POP3, FTP, NTP, HTTP, SNMP, DNS.

Transport layer
TCP, UDP. (chat app).

SSH

Transport ? TCP, UDP. (chat app).

e.g. WhatsApp.

Internet layer IP, ICMP, ARP, DHCP

Network Access → PPP, ADSL

↓ Ethernet.

Internet Service Provider

Working of Router
Having two physical interfaces < physical connection

Over 5-3 billion Internet users.
DNS = Domain Name Server

(IP)

Internet Protocol Address.
IP → IPv4 (0-2³²). 4.3 billion slots.
address. → IPv6 360 trillion slots.
Public → WAN

Private → LAN

Static → (Remain the same) — for servers.

Dynamic. → (Changes)

Country → State → City + ISP → user/Device.

17. 172. 224. 47

17 → 8 bits → 1 → 8 bits → 8 bits → 8 bits

32 bits = 4 bytes.

(IPv4)

Windows 10 -> 192.168.1.100

Mac address

JavaS.

What different keys mean:

→ **internet** → 2 or more computers | networks. (global) → IP → docs travel ...
 → **intranet**. → internet connection (local).

Searching = Requesting -

Packets → travel through diff routes.
 → (bits)

Domain



QRender →

AWS [Amazon] Google cloud [Azure]

- Shared hosting
- Priv
- dedicated

URL = Universal resource locator.

http = (at risk)

QGODaddy.

https = (secure web)

Cloud hosting: (expensive) needs protection.

! portfolio = (web)

! provide - web

C-panel (portal).
 L purchased through hosting suppliers.

internet | web (www)

• docs travel ...

AWS [Amazon] Google cloud [Azure]

Backend : tech .(Road map)

Front-end - Tech : Full Stack
 1. Node — starting 3 weeks start.

HTML 5

CSS 3

Bootstrap 5

+ Tailwind 4.

JavaScript . (ES6)

React JS . (2D)

Angular + view

Type Script .] Top 10%.

Next JS .

Python

Django

Post . API .

Flask .

Vector .

Node JS .

Express JS .

[Mongo DB (No sequel) .

Mongo

A PI (Restfull) .

PHP .

Laravel .

Bonus C++ .

U.S.P = Unique Saving Point.



Main Tech

HTML

CSS

JavaScript

used in all cases.

HTML - Structure of a web page.

Website - (like a book) - connection of Pages.

Web -

Static - Remains the same.

Dynamic - Changes

CSS - adds colour to the structure.

SASS - Adding of it makes a website → Dynamic.
↳ add action/features.

→ changes

Q. Q. Vigneshwari

Tools

- Chrome (Google)

Developer Chrome

Web APP → you can use react.

Edushant.co

Extensions

.com

.ai

.edu

.co

.pk

4 is on

PAID

Perplexity

Grammacy

Mashal.ai

Gemini

Green

Grok

DeepSeek

Q. reusability of code

Full Stack Dec #4

Q Can't Hurt Me.

- Freelancing.
- Self-discipline
- Time management.
- Avoid distraction.
- Reminder — Trackers.
- Self motivation.
- Self independence
- Self dedication.

\$120 per hour

↳ no experience required

1. → Demand for coding skills.

→ Keep track of new updates / proj.

IBAC.

Q IOT

IOT

Block chain

Q IBAC

AI

Cyber Security

Q upwork

after \rightarrow 3 months course = 2 yrs
experience

Websites :

- TrueLancer

Beware of scams.

- Guru.com

- LinkedIn

Avoid

- PeoplePerHour

fiverr

- Upwork

- Salary \rightarrow demand \rightarrow market value.

- Competition

- Job Hunting

- Practice writing proposal.

- Interview practice.

- Story telling / explanation.

- minimum 500 \$

Q Figma tool

Q wappizzr .

- Decodes the script.

- recovers any website.

way back

Q Sigma tool

Q wappizzr .

- decodes the script.

- recovers any website.

DevOps

engineering.

- connects the backend & front end.

Tools :

- Terraform

CloudBerry

etc etc.

Resume :

- Don't Add pictures in CV

- minimalist

- professional email \rightarrow don't add numbers.

- WhatsApp number.

- professional summary.

- no more than 3-4 lines.

- Education at last.

- Summary

- Skills

- add @Linked In.

- Contact

- Education.

Boolean (bool)

- Represents True or False values
- used in conditions and logic-based operations.

```
is_student = True
print(type(is_student)) # output: <class 'bool'>
```

NoneType

- Represents "no value" (none).

integer (int)

- Whole numbers without a decimal point.
- Used for counting, indexing and arithmetic operations.

```
age = 25
print(type(age)) # output: <class 'int'>
```

float (float)

- No. with decimal point.
- Used for measurements, of age and scientific calculation.

```
height = 5.5
print(type(height)) # output: <class 'float'>
```

Open python shell

```
print("Hello,World!")
```

String (str)

- a sequence of characters enclosed in quotes (" " or '').

How to Run Commands?

Date: . . .

- 1) #!/bin/bash
- 2) (enter)
- 3) echo " (write what you want to print)"
- (4)

root @Harshit : ~ /Desktop /my /bash # ./var.
(Enter) .

variable ($x = 0$ etc)
web - $y = 3$

var.sh (adjust values)

let a = "hello world"
echo \$a

Imp: \$ #
quote ("...") → \$(b)
sign. (' ') → for commands.

* commands

(ls -la)

Pwd -

Keys → HTML

<input> accept input (like a bar).

<Label> →

<table>

 ↓ space

<td> → adds space

rowspan ↔ row common.

colspan ↑ → column adjust

 creates point (bullet) ◉ like this

 creates a list (numbered).

Border> "1" adds border. "2" darkens it.

 bold letters.

<title> header

<form> adds send button & wraps input field.

<ti> Represents item.

<tr> table row

<td> cell of data in row.

<th> header (table).

full stack web dev.

Block chain

AI machine learning

higher security.

Cloud computing.

101

Rhythm

Sounds

CSS

C++

Base

Flutter

HTML

Swift

PHP

Mar learning.

Marageineut.

Date: