

2021



Presents

WEBPRO

A 30 day intense industrial training bootcamp on
Software Development



ORGANISED BY:
Team Tech Analogy

INFO@TECHANALOGY.ORG

ABOUT WEBPRO

The intensive workshop will give you a step by step guiding from level 1 to advanced level on web development. The curriculum will cover UI-UX designing and the curriculum will help one build an interface that is user friendly. The course also compiles usage of Knowledge of HyperText Markup Language (HTML), Js, CSS along with an introduction to React, Node Js, JSON and usage of Git and GitHub for the young minds who plan on creating projects. By the end of the bootcamp, students will be able to develop a few major projects that they can showcase on their portfolios.



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WHY WEB DEVELOPMENT?

With the tremendous progress in the launch of websites, people who can create exemplary designs and platforms for their online presence is what businesses are searching for. Web developers and designers are bringing in all the best of their technical expertise and skills to develop and unique design websites that are and capable of pulling the crowd.

Web development is a great career option. One can either be a front-end developer or a back-end developer, or even both. One should have a general programming skillset to begin your career in the web world.



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OUR SPEAKERS



Sagnik Biswas **Developers Head**

A student pursuing his B.Tech Degree from SRMIST. A person who can bring new ideas, planning, execution ,and leadership to the table at the same time and is also the Team Lead at Alexa Developers SRM.

Sagnik Biswas

Aniruddha Chatterjee **Co-Developers Head**

A student pursuing his B.Tech Degree from SRMIST. AWS Certified cloud practitioner, has a vast SDE with experience in MERN stack and Java. Technical Lead at SRMKZILLA, Associate Team Lead at Alexa Developers SRM and loves to write Tech Blogs.



Aniruddha Chatterjee



Samriddho Das **UI-UX Developer**

A student pursuing his B.tech Degree from SRMIST, Chennai. Founder of Nyro Film and Design. He is also the Chief Graphic Designer of Inception Wave and Graphic Designing mentor for IWSC SRM.

Samriddho Das



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TECHNICAL ASSISTANTS



Kaushik Kumaran



Vashist Agarwalla



Varun



Niya Shameer



Shashank Kumar



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WORKFLOW

DAY 1

MON
25th October'21

DURATION- 70-90mins

Introduction To Workshop

- Introduction to Figma
- Start on Portfolio Website Design

Project / Assignment 1

- Design on Figma
- Replicate your own portfolio design website



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WORKFLOW

DAY 2

WED
27th October'21

DURATION- 60-80mins

Completion of portfolio website design

- Small session on Dribble & Behance
- How to create a design portfolio

Project / Assignment Day 2

- To be decided according to the schedule and plan during the workshop

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WORKFLOW

DAY 3

FRI
29th October '21

DURATION - 70-80 mins

Introduction to Git and GitHub

- Version Control using Git and GitHub
- A sample project to demonstrate the use of Git and GitHub

Project / Assignment Day 3

- Do commits on a sample text file in GitHub



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WORKFLOW

DAY 4

SUN
31st October'21

DURATION- 90-120mins

Introduction to HTML, CSS & JS

- Introduction to Internet and Browser
- Introduction to basic syntax of HTML , CSS & JS

Project / Assignment Day 4

- To be decided according to the schedule and plan during the workshop



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WORKFLOW

DAY 5

TUE
2nd November '21

DURATION- 70-80mins

Develop portfolio website design

- Completion of Website design and deployment

Project / Assignment Day 5

- Deploy and send the link of your own portfolio website



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WORKFLOW

DAY 6

THURS
4th November '21

DURATION- 1hr:30mins

Introduction to REACT

- Create React Application (Simple Counter App)
- Introduction to material UI

Project / Assignment Day 6

- Replicate your own counter app
- Push the app to Git hub



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WORKFLOW

DAY 7

SAT
6th November '21

DURATION- 90 mins/day

You tube Clone (Project Part 1)

- Introduction to components
- Share state among components
- Implement simple search algorithm (ssa)
- create dynamic component
- Material Ui Design



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WORKFLOW

DAY 8

MON
8th November'21

DURATION- 70-90mins

You tube Clone (Project Part 2)

- Connect to json file
- Introduction to useEffect hook
- Dynamic Routing



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WORKFLOW

DAY 9

WED
10th November'21

DURATION- 70-90mins

You tube Clone (Final Project Part 3)

- Add final touches
- Deployment using Vercel

Project / Assignment Day 9

- Deploy and send your own version of the clone



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WORKFLOW

DAY 10

FRI

12th November'21

DURATION- 70-90mins

Introduction to Node Js

- Introduction to fs Module
- Returning HTML as response
- Introduction to JSON
- Returning JSON as response

Project / Assignment Day 10

- To be decided according to the schedule and plan during the workshop



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WORKFLOW

DAY 11

SUN
14th November'21

DURATION-70-90mins

Introduction to REST API's

- Types of http requests
- Creating a REST API using http module
- Introduction to EXPRESS

Project / Assignment Day 11

- To be decided according to the schedule and plan during the workshop



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WORKFLOW

DAY 12

TUES
16th November'21

DURATION- 90-110min

Develop URL Shortener (Project)

- Introduction to EJS

Project / Assignment Day 12

- To be decided according to the schedule and plan during the workshop



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WORKFLOW

DAY 13

THURS
18th November'21

DURATION- 90-110min

Continuation of URL Shortener

- Introduction to Mongo DB
- Introduction to Nano ID
- Introduction to Server side caching

Project / Assignment Day 13

- To be decided according to the schedule and plan during the workshop



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WORKFLOW

DAY 14

SAT
20th November'21

DURATION- 90-110min

Completion of URL Shortener

- Securing server
- Deployment on Heroku

Project / Assignment Day 14

- Make your own URL Shortener
- Send Link of Github Repo



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WORKFLOW

DAY 15

MON
22nd November'21

DURATION- 90-110min

Introduction to CI/CD

- Writing CI scripts
- Using automated deployment options
- Deployment in VMachine

Major Project

- Create an Employee Directory where you can access different employee details



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BONUS DAY

DURATION - 1hr:30mins - 2hrs

BONUS - CAREER GUIDANCE

The session will be dealt in regards with the resume building and the future prospects related to further studies and internship opportunities in an individual's career



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DELIVERABLES

Students will not only get a chance to learn in an interactive session but will also be able to connect with like minded people during this workshop.

Other benefits:-

- **2 levels of certification will be provided**
- **4 minors/assignments & 2 major project**
- **LOR (top performers)**
- **Software learning with practical experience**
- **Top performers to get Merch and swags**
- **Doubt Sessions**
- **Endorsement on various social platforms.**
- **Internship opportunity to top performers**
- **Group activities**
- **Resume building session.**



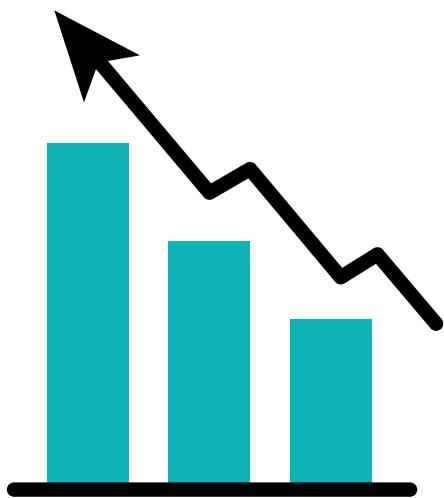
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INDUSTRIAL PARTNERS

- Toshiba
- FIAT
- Delta
- Chirpal Poly Films
- Bosch Rexroth
- Geeks for Geeks
- Euclid Labs
- SIKCO
- Ctrl S CRM
- Facility India (IndiaMart)
- Shapoorji Pallonji Group
- Give My Certificate
- The Six Pm Show - Cultural Partner



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COLLEGE PARTNERS

- Alexa SRMIST- student chapter
- CSI - SRM NCR
- ASME
- Guvi Inc - GCC at SRM
- TEAM X-TREME SSGMCE , Shegaon
- Student hut- Skill development Partner
- Partner
- SRM ROBOCON
- VEGHA Racing
- CLAP (Coding like a pro)
- MLSC THAPPAR
- ROBOCON CRCE
- CSI SRM NCR
- Robocon SRM
- VEGHA RACING CLUB
- PROJECT TEAM SRM
- CLAP
- ROBOTICS CLUB IIT DELHI
- ROBOTICS NIT PATNA
- CSI CLUB GLA
- IIT JAMMU
- ROBOTICS CLUB SKIT JAIPUR
- CYBORG NIT ROURKELA
- GEEKS FOR GEEKS
- DATA SCIENCE COMMUNITY SRM
- ROBOYANTRIKI
- ROBOMANIPAL
- CSI BARTON HILLS



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CONTACT US

Head of Operations-
Kaustuv Mohanty - 93378 37362

PR & Social Media -
Sanjeevni Dhamija - 8427558164

Human Resources-
Siddhi Tawal - 7666610666

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