CAREER CAMP 2023

Success starts with a decision to try.

About
Career Camp

Built to help you #SwitchToDreamJob

Career Camp is a one-stop solution for Final year college students and working professionals to land their dream job in a product based company as Full-stack web developer **in just 9 months.**

Ankush Singla
Co-Founder & Instructor

Ankush holds a Bachelor's degree in Computer Science from India's most premier institute - IITDelhi and a Master's degree in Computer Science from Stanford University.

He is a coding enthusiast and has worked with big wigs like Amazon & Facebook in the past.

Our **Impact**

50,000+
Learners
taught so far

240%
Avg Increase
in salary

35 LPA
Highest CTC

350+
Hiring
partners

14-16 LPA
Average
package

180 +
International Job
Offers

Doubt **Support**

We have developed a very scalable solution using which we are able to solve **7OOO+ doubts** every single day with the help of our **2OOO+ TAs** on the platform itself with an average rating of 4.8 out of 5.

Live Projects

Build Industry standard end-to-end Mini, Major and Capstone projects.

Get an Industry
Recognised Certificate

Get awarded with an industry recognised certificate as you complete your Boot camp.

Be a part of the learning community:

Performance tracking team and Slack groups to connect with your peers.

Live Mentorship:

Interact live 1:1 with industry experts and schedule mock interviews with mentors.

Programme **Overview**

Course Overview

The purpose of this course is to learn Web Development with technologies like JavaScript, JQuery, Ajax, Node JS, React, etc. Additionally, it will teach you how to create servers, work with databases, and develop scalable, robust systems using System Design Techniques.

Pedagogy

9
Months
Learning

12
Months
Placement Period

Total 21 Months

Program
Details

Program Duration
9 Months

Eligibility Criteria
Final Year Students,Bachelor's Degree holders and Working Professionals

Admission Process

Step 1:

Complete your Coding bootcamp application

Step 2:

The profile is reviewed by our admissions team.

Step 3:

Connect for a live 1:1 counselling session to understand wether this course is a right fit for you.

Step 4:

Reserve your seat.

Content
Delivery

Structured

Thoughtfully designed curriculum for final year college students and professionals to help them emerge as confident tech professionals

Blended delivery

Supplemented by course content released every week followed by pre-recorded videos + real-time 1-1 doubt resolution and 2 live sessions a week

Industry-relevant

Industry-tested curriculum vetted by IIT and Stanford alumni to make you job ready

Hands-on

Projects and assignments designed to implement concepts

Course **Module**

Introduction to Programming

Learn the basics of the most popular programming languages (Java / Python) and become an expert in the core fundamentals of programming.

Data Structures and Algorithms

Data structures and algorithms is all about organising the information and finding the most efficient approach to solve a problem. Learning these concepts will in turn help you to improve your problem-solving skills and solve any real-world problems using technology.

Front end Web Development with React

Learn the best practices of converting data to a graphical intefiace, through the use of HTML,CSS,and JavaScript.
Build amazing user intefiaces or UI components using React library.

Backend web development with Node.js

Learn the basics of adding server-side logic to any web application using Node.js

Interview Preparation - Aptitude

This module will enhance your Quantitative Aptitude, Logical Reasoning,Verbal Ability and Data Interpretation skills and conquer the aptitude round of the interviews.

Operating System

This module will help you prepare for the questions asked on Operating systems in software engineering interviews, with the unique perspective to view operating systems in three parts: Virtualization, Concurrency and Persistence. This module also includes, demonstrations to aid learning and to map theoretical concepts to Linux OS.

Database Management System (DBMS)

This DBMS module covers fundamental concepts such as Data, Database, DBMS, ER diagrams, Relational Models, ACID properties, SQL, Normalization. This module also introduces you to advanced topics like Transactions, Indexing, NoSQL databases and database optimization. Data is an important part of any software and there are many opportunities for people having the skills to work on data. The DBMS module makes you ready for job positions requiring database and SQL knowledge such as business analyst, data analyst, so ware engineer, SQL developer, data scientist for companies such as Oracle, Google, Amazon etc..

System Design

Learn how to create efficient large scale applications through our System Design course which covers core concepts of architectural patterns, required application characteristics, database optimization, networking, security for strong foundations. The module covers real-life use cases in detail, assignments for practical implementation of learned concepts, and gives a sneak peek of the interview process.

Course **Outcome**

| Upskill with latest industry practices and get your first tech job

| Switch to IT sector-(People from different domain)

| Switch to product based organisation

| Build live projects with industry mentors

Placement **after the course**

Anirudh Bhatt
Company : WISSEN

Apoorv Mishra
Company : Microsoft

Sarvottam Priyadarshee
Company : amazon

Anjali Soni
Company : Google

Monalika Kapoor
Company : Adobe

Shruti Suman
Company : Morgan Stanley

Rahul Maurya
Company : OLA

Abhishek Sriramoju
Company : L&T Infotech
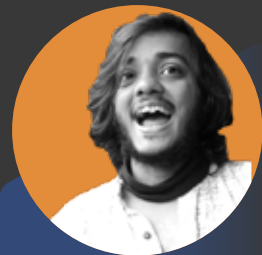
Satyam Sharma
Company : freecharge

Tools **and Techniques**

HTML 5

CSS 3

JS

B

NODE JS

JS express

aws

mongoDB

BABEL

redis

webpack

REACT JS

jQuery
write less, do more.

multer
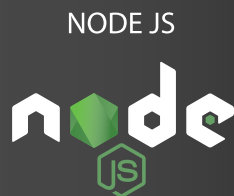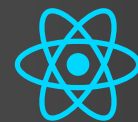
REDUX

Projects

Static Blog

Build the UI of a basic blog using HTML

Ping Pong Game

Build a vintage game, ping pong, using vanilla Javascript

Mini Contact List

Understand how the backend works and create a contact list by storing the data in a DB

To-do List App

Build a todo list app using Node.js and express.js

Shopping Cart

Build the basic functionality of the shopping cart as you see in Amazon and Flipkart

Projects

Movies App

Search any movie and store it as your favourite, IMDb

Mini Calculator

Build a calculator web app with Javascript as the core and style it with CSS

Chatting Engine

Build a chat engine using sockets, which enables the users to chat with each other on the website

Social Media Website

Create a social media website with popular features like, post, comment etc using Node.js, Mongo DB and more

Music Player

Build and style a music player like Spotify/Youtube Music using HTML and CSS

Detailed **Curriculum**

Introduction to Programming

Topics

Basics of Programming

Loops and Functions

Arrays

Strings and 2D Arrays

Problem Solving Techniques

Object-oriented programming

Linear Data Structures

Trees

Advanced Data Structures

Detailed **Curriculum**

| Introduction to Programming

Topics
Dynamic Programming

| Frontend Module

Topics
Getting started with Basics
Introduction to HTML
Indepth HTML
Forums
Intro to CSS

Detailed **Curriculum**

| Frontend Module

Topics
Styling with CSS
Starting with Resume project
Flex
Responsive designs
Completing Resume
Animations and 3D space
Bootstrap
Major Project

Detailed **Curriculum**

| Frontend Module

Topics
Starting with Javascript
JavaScript: Functions and Arrays
Objects and Timing Events
Understanding DOM
Calculator Project
Mini Projects Using Javascript
Closures
Constructors and Prototypes
Project: Ping Pong Game

Detailed **Curriculum**

| **Frontend Module**

Topics
Ashyncronous JavaScript
TODO list
jQuery
Ajax
Promises
Git

Detailed **Curriculum**

Topics
Node.js :The Beginning
Node.js : Writing Our First Server
My First Express App : A List of contacts
My First Express App : Creating Middleware
My First Express App : Intro To Databases
Beginning The Major Project 1
Major Project - 1
Beginning the Major Project - 2
Authentication using Passport js

Detailed **Curriculum**

Topics

Manual Authentication

SASS

Database Relations (Posts, Comments)

Deleting and Updating Objects in Database + Distributing Views

Async Await + Error Handling

Converting to AJAX

File upload

Social Authentication (Mini Lecture)

APIs (making APIs and JWT authentication)

Detailed **Curriculum**

Topics

Parallel Jobs + Mailer

Friends + Likes

Chatting Entgine

Gulp : Getting deployment ready

Deployment

Beginning the Major Project - 2

Major Project

React

Detailed **Curriculum**

| **React Module**

Topics
Intro to React
Vue
Hello World
Mini Project: Starting the project
Mini Project: Managing React state in depth state
Mini Project: Finishing up
Firebase: Mini project extended 1
Firebase: Mini project extended 2
Mini Project

Detailed **Curriculum**

| React Module

Topics

Major Project: User profile

Intro to Redux

Redux: Actions, Reducers, Store

Redux in Detailed

Major Project: Search and Chat

React Hooks

React and Redux

Major Project: Setup and Intro

Major Project: Routing and Auth

Detailed **Curriculum**

Topics

NUMBERS

AVERAGES AND MIXTURES

ARITHMETIC AND WORD PROBLEMS

COUNTING

TIME, SPEED AND DISTANCE

REASONING

ENGLISH

DATA INTERPRETATION

MISCELLANEOUS TOPIC

Detailed **Curriculum**

| Introduction to Operating System

Introduction to OS

Process Management

Memory Management

Concurrency

Storage Management

Case Study: LinuxOS

Detailed **Curriculum**

| Introduction to DBMS

Topics

Introduction to DBMS

Data Modeling

Entity-Relationship Model

Relational Model

SQL

Normalization

Transactions

Indexing

Classification of Databases

Detailed **Curriculum**

| Introduction to DBMS

Topics

NoSQL Databases

Database optimization

| Introduction to System Design

Topics

Introduction

Architectural patterns

Application characteristics I

Application characteristics II

Detailed **Curriculum**

| **Introduction to System Design**

Topics

Application characteristics III

Database

Database Optimization

Communication

Web Applications

Servers and security

Real Life Use Cases

Distributed web crawler

Global chat service : Messenger

Detailed **Curriculum**

| **Introduction to System Design**

Topics

Video streaming service (Youtube)

File storage and sharing system(Dropbox)

Global ride sharing system(Uber)

Practice projects

Mock interview sessions

View Detailed Curriculum

CAREER CAMP

By CODING NINJAS

2023
Career Camp

Best investment is **YOU!**

Book 1-1 Counselling

www.codingninjas.com

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