



# CAREER CAMP 2023

Success starts with a decision  
to try.

# About Career Camp

## I Built to help you #SwitchToDreamJob

Career Camp is a one-stop solution for Pre-Final and Final year college students and working professionals to land their dream job in a product based company as a 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 - IIT Delhi and a Master's degree in Computer Science from Stanford University.

**He is a coding enthusiast and has worked with bigwigs 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

**11 crore+**

Problem  
Submissions

# Doubt Support

We have developed a very scalable solution using which we are able to solve **7000+ doubts** every single day with the help of our **2000+ 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

## I 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.

## I Pedagogy

9

Months  
Learning

12

Months  
Placement Period

**Total 21 Months**

# Program Details



## Program Duration

9 Months



## Eligibility Criteria

Pre-Final Year and Final Year Students 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 counseling session to understand whether this course is a right fit for you.

### Step 4:

Reserve your seat.

# Content Delivery



## Structured

Thoughtfully designed curriculum for Pre-final year, 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**

## I **Introduction to Programming**

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

## I **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.

## I **Front end Web Development with React**

Learn the best practices of converting data to a graphical interface, through the use of HTML, CSS, and JavaScript.

Build amazing user interfaces or UI components using React library.

## I **Backend web development with Node.js**

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



## I 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.

## I 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.

## I 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, software 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 : 



**Apoorv Mishra**

Company : 



**Sarvottam Priyadarshree**

Company : 



**Anjali Soni**

Company : 



**Monalika Kapoor**

Company : 



**Shruti Suman**

Company : 



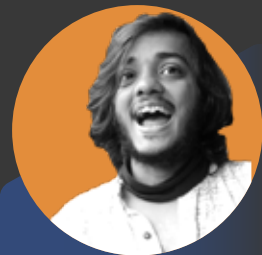
**Rahul Maurya**

Company : 



**Abhishek Sriramoju**

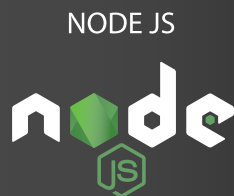
Company : 



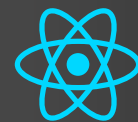
**Satyam Sharma**

Company : 

# Tools and Techniques



REACT JS



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



### 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

## I Introduction to Programming

### Topics

Dynamic Programming

## I Frontend Module

### Topics

Getting started with Basics

Introduction to HTML

Indepth HTML

Forums

Intro to CSS



## I Frontend Module

### Topics

Styling with CSS

Starting with Resume project

Flex

Responsive designs

Completing Resume

Animations and 3D space

Bootstrap

Major Project

## I 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

## I Frontend Module

### Topics

Asynchronous JavaScript

TODO list

jQuery

Ajax

Promises

Git

## | Backend Module

### 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**

## | Backend Module

### 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)

## | Backend Module

### Topics

Parallel Jobs + Mailer

Friends + Likes

Chatting Engine

Gulp : Getting deployment ready

Deployment

Beginning the Major Project - 2

Major Project

React

## I React Module

### Topics

Intro to React

Vue

Hello World

Mini Project: Starting the project

Mini Project: Managing React state in depth

Mini Project: Finishing up

Firebase: Mini project extended 1

Firebase: Mini project extended 2

Mini Project

## I 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



## Interview Preparation - Aptitude

### Topics

Numbers

Averages and Mixtures

Arithmetic and Word Problems

Counting

Time, Speed and Distance

Reasoning

English

Data Interpretation

Miscellaneous Topics

## Introduction to Operating System

Introduction to OS

Process Management

Memory Management

Concurrency

Storage Management

Case Study: Linux OS

## Introduction to DBMS

### Topics

Introduction to DBMS

Data Modeling

Entity-Relationship Model

Relational Model

SQL

Normalization

Transactions

Indexing

Classification of Databases

## Introduction to DBMS

### Topics

NoSQL Databases

Database optimization

## Introduction to System Design

### Topics

Introduction

Architectural patterns

Application characteristics I

Application characteristics II

## I 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](#)



# 2023

## Career Camp

Best investment  
is **YOU!**

Book 1-1 Counseling



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Instagram



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