



iHUB DivyaSampark



Department of Science & Technology
Government of India



EXECUTIVE POST GRADUATE CERTIFICATION IN FULL STACK DEVELOPMENT

Make a successful career transition to full stack development



10 Million
Learners



1:1 Personalized
Mentorship



55% Average
Salary Hike

Executive Post Graduate Certification in Full Stack Development

Learn in-demand full stack development techniques with this course from iHUB IIT Roorkee. In this rigorous online bootcamp, you will receive 1:1 mentoring while learning from IIT faculty and business leaders. This course offers the opportunity to work directly with the newest tools and technologies. The top 2 performers from each batch may get a fellowship worth Rs. 80,000, plus the opportunity to showcase their startup ideas and secure incubation support of up to Rs. 50 Lakhs for their startup from iHUB DivyaSampark, IIT Roorkee. Undergraduate students are eligible for the Fellowships.



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Hottest Job of 21st Century



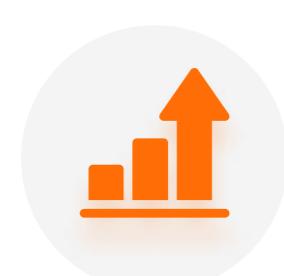
1.2 Million Job Postings

There was a global estimate of 1.2 million job postings for Full Stack Development roles by 2022



Skill Development

Full Stack Developers are equipped with various relevant skills, fetching lucrative job offers



Growing Full Stack Development Industry

32.2% CAGR in Indian Full Stack Development Industry



Future-oriented Career

Full Stack Development is a budding field; a head start will prove beneficial



Popular Degree

42% of full stack developers have a Master's Degree



High Demand

By 2022, India and the US will face a demand-supply gap of 460,000 Full Stack Developers

Our Credentials



10 Million+

Aspiring Students



1,000+

Industry-expert Instructors



400+

Hiring Partners



500+

Corporates Upskilled



55%

Average Salary Hike



155+

Countries' Learners

About Program

A full stack developer's profile is one of the most popular and highly paid in the present market. This course will train you and help you master skills in varied fields like SQL, Java, HTML, CSS, Data Structure Algorithms, React, Redux, Express, NodeJS, MongoDB, and more. This course by iHub Divya Sampark and Microsoft has been created with the objective of providing high-end skills that will help you land your dream job.



Learning Format

Online



12 Months

Live Classes



3 Guaranteed

Interviews*



iHUB IIT Roorkee

Certification

Key Highlights

- ✓ 100 Hrs Self-paced Videos
- ✓ 300 Hrs Project & Exercises
- ✓ Placement Assistance
- ✓ Designed for Working Professionals & Freshers
- ✓ 1:1 Mock Interviews and Mentor Support
- ✓ Lifetime access to course materials
- ✓ Learn from IIT Faculty & Industry Experts
- ✓ 3 Guaranteed Job Interviews upon movement to Placement Pool
- ✓ Free Career Counselling
- ✓ 100+ Live sessions across 12 months
- ✓ Certification by iHUB, IIT Roorkee & Microsoft
- ✓ 24*7 Support
- ✓ Resume Preparation and LinkedIn Profile Review
- ✓ Weekend Classes
- ✓ Extra Doubt Clearing Session on Weekdays
- ✓ Top 2 performers per batch will receive Rs 80000 in fellowship*
- ✓ Up to Rs. 50 Lakhs startup Incubation Support*

Program Pedagogy



Instructor-led Training

Get trained by top industry experts



Hackathons

Get a sense of how real projects are built



Dedicated Learning Management Team

To help you with your learning needs



Peer Networking and Group Learning

Improve your professional network and learn from peers



Self-paced videos

Learn at your own pace with world-class content



Gamified Learning

Get involved in group activities to solve real-world problems



Projects and Exercises

Get real-world experience through projects



1:1 Personalized Learning

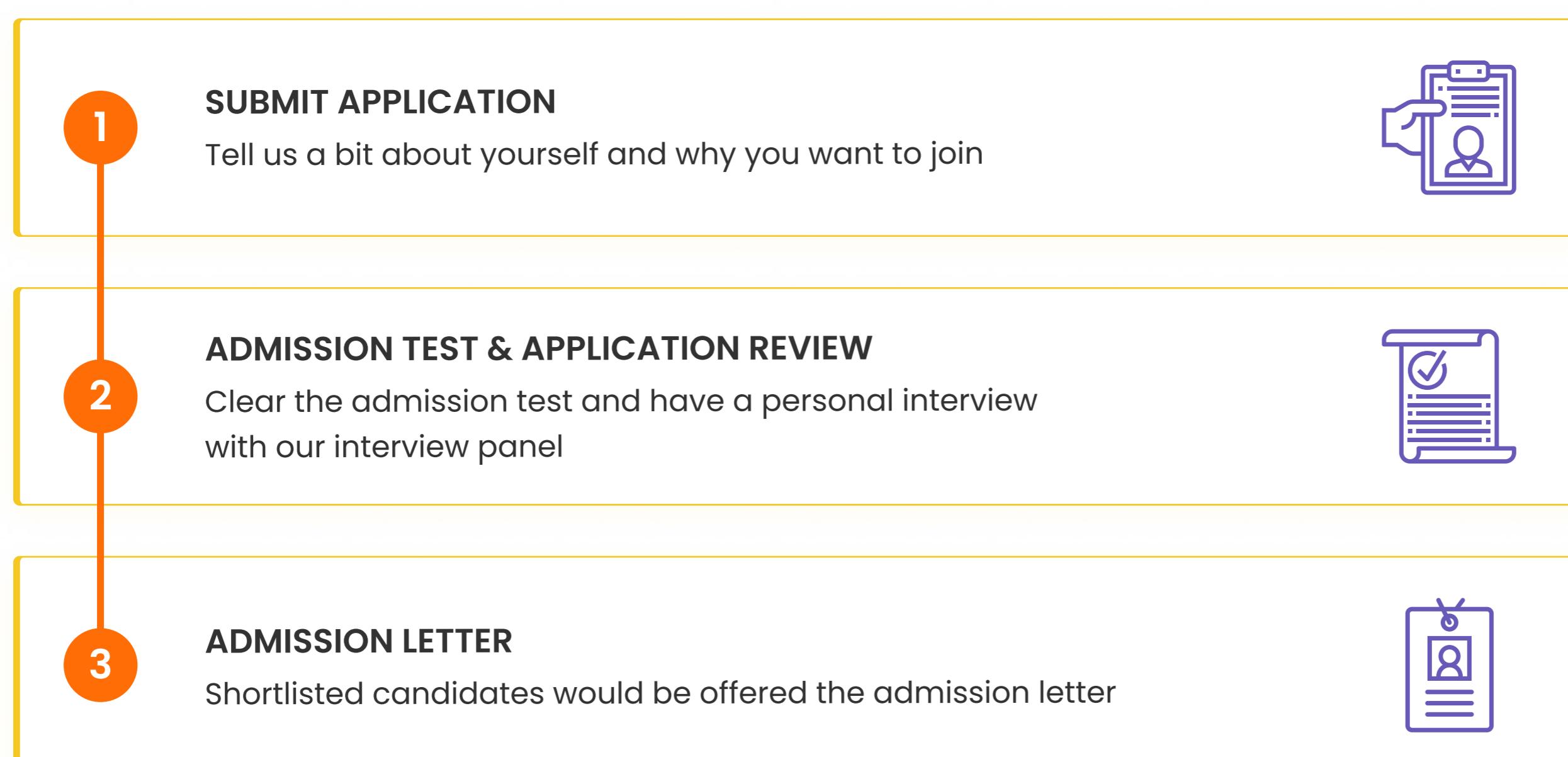
Hands-on exercises, project work, quizzes, and capstone projects

Who Can **Apply for the Course?**

- ✓ Anyone with a bachelor's degree and a passion for software development
- ✓ Professionals looking to grow their career in software development
- ✓ IT professionals with a bachelor's degree looking to transition to a tech field
- ✓ Project managers / product managers looking to up-skill
- ✓ Anyone who wants to build a software development portfolio

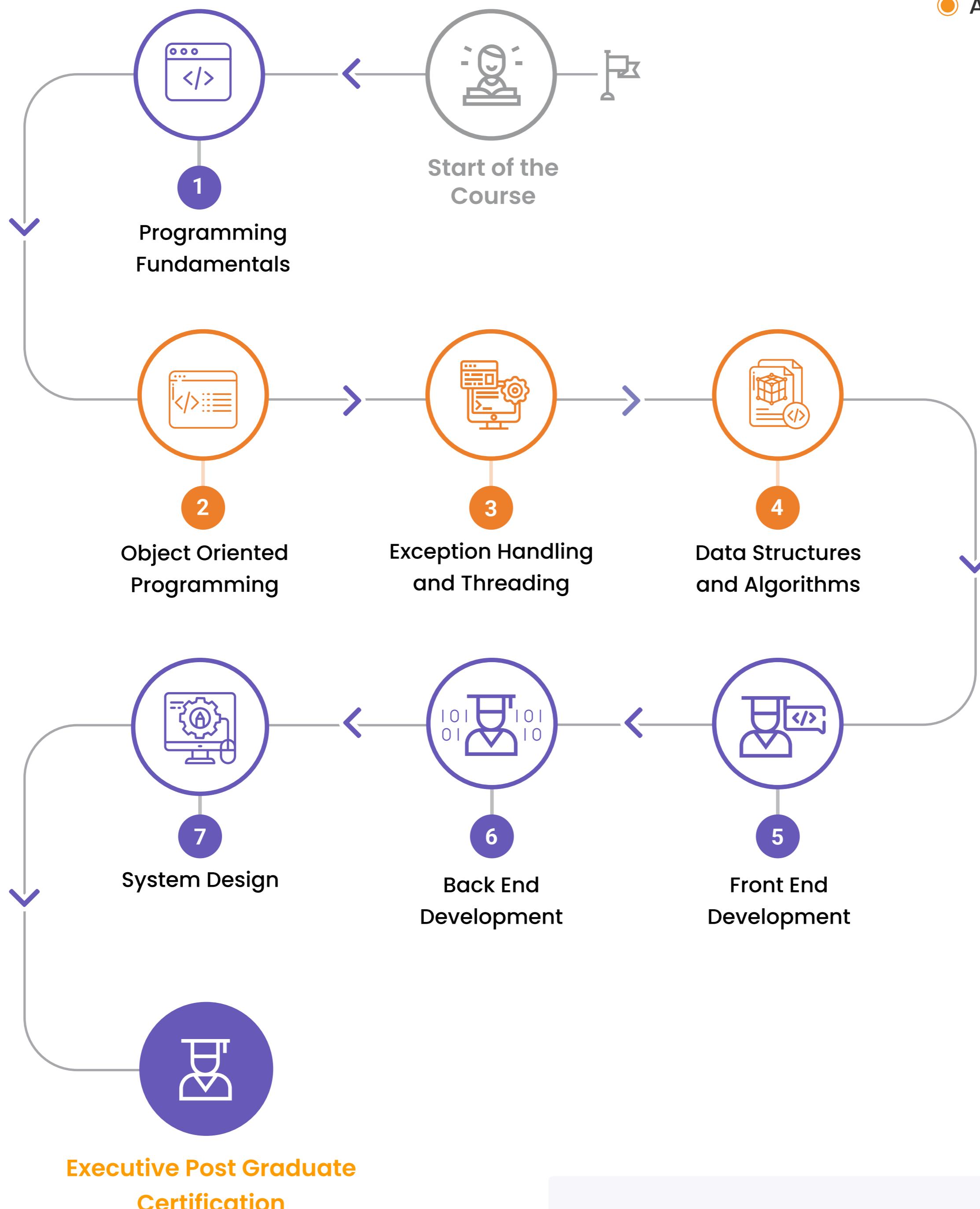
Application **Process**

The application process consists of three simple steps. Candidates have to submit their application. An offer of admission will be made to the selected candidates, and their application will be accepted upon the payment of the admission fee.



Learning Path

Live Courses



Self-paced Courses

- Spring Core and Spring Boot (Electives)

Program Curriculum

Module 1

Programming Fundamentals

- Java
- SQL

Module 2

Object Oriented Programming

- Classes and Objects
- Access modifiers
- Inheritance
- Polymorphism
- Encapsulation
- Abstraction
- Abstract class
- Abstract methods
- Interface

Module 3

Exception Handling and Threading

- try – catch
- throws
- Threads
- Synchronization & Thread Interaction

Module 4

Data Structures and Algorithms

- Introduction to Data Structure
- Arrays and Linked List
- Stack and Queues
- Trees
- Graphs
- Sorting Algorithms
- Searching Algorithms
- Introduction to Greedy Algorithms
- Heap and Priority queues
- Graph Algorithms

Module 5

Front End Development

- HTML
- CSS
- Javascript
- React
- AJAX

Module 6

Back End Development

- Node and Express
- MongoDB

Module 7

System Design

- Introduction to System Design
- Design Principles
- Design Patterns
- High-Level Design (HLD)
- Low-Level Design (LLD)
- Scalability and Performance
- Security and Reliability
- Integration and Deployment

Module 8

Spring Core and Spring Boot

- Introduction to Spring Framework
- Spring Core Basics
- Aspect-Oriented Programming (AOP)
- Spring Boot Introduction
- Spring Boot Configuration
- Spring Boot Data Access
- Spring Boot Web Development
- Spring Boot Testing
- Spring Boot Security
- Spring Boot Actuator and Monitoring
- Deployment and Productionisation
- Microservices with Spring Boot
- Continuous Integration and Deployment
- Performance Optimization

Skills to Master

- | | |
|-----------------------------|-------------|
| • SQL | • HTML |
| • CSS | • Java |
| • Data Structure Algorithms | • Bootstrap |
| • Javascript | • React |
| • Redux | • NodeJS |
| • Express | • MongoDB |
| • GIT | |

Course Projects

Projects cover the following industries:



Retail



Social Media



Supply Chain



Entrepreneurship



E-commerce



Banking



Healthcare



Insurance

Beginner

Personal Portfolio Website

A dynamic portfolio showcasing projects and skills, featuring a blog managed by a custom CMS, and a contact form with server-side email processing.

Beginner

Blog Platform

A secure platform for users to create, edit, and share blog posts, with a comments feature and a RESTful API serving blog content.

Beginner

E-commerce Website

An online storefront with product listings, a cart system, and a secure checkout process, integrated with payment APIs.

Intermediate

Chat Application

A web-based chat application supporting real-time messaging, private and group chats, with online status display for users.

Intermediate

Task Management Tool

A web app for task organization using a drag-and-drop interface, with robust user authentication and permission controls.

Intermediate

Social Media Platform

A mini social network with user profiles, the ability to make posts, like, comment, and a friends connection system.

Intermediate

Online Forum

A community forum with threaded discussions, user roles, permissions, and a voting system for content quality signaling.

Advance

Booking System

A reservation system for various resources, featuring a calendar view, user authentication, and email booking confirmations.

Advance

Interactive Data Visualization Dashboard

A dashboard presenting complex data through interactive charts and graphs, pulling real-time data from various APIs.

Advance

Custom CMS

You will hands-on gain experience in the development of an iOS calculator. You primarily have hands-on experience in the nested routes and webpack. You will in addition have hands-on experience in the expressions as well.

Course Advisors / Faculty



Manish Anand

CEO at iHUB IIT Roorkee

Manish Anand is an IIT Kanpur alumnus with an MBA in Technology and innovation management from Korea Advanced Institute of Science and Technology (KAIST), Seoul. He currently heads iHUB DivyaSampark, a Technology Innovation Hub hosted at IIT Roorkee.



Dr. Sudeb Das Gupta

Professor at IIT Roorkee

Dr. Sudeb Dasgupta is currently working as Professor at IIT Roorkee. He has completed his PhD from Banaras Hindu University in Electronics Engineering and has more than 20 years of teaching experience.



Dr. Balasubramanian R

Professor at IIT Roorkee

Dr. Balasubramanian R, is currently working as Professor at IIT Roorkee. He has completed his PhD from IIT Madras in Mathematics and Computer Science and has more than 20 years of teaching experience. His areas of interest include computer vision, machine learning, pattern recognition, deep learning, etc.



Dr. Sushanta Karmakar

Associate Professor at IIT Guwahati

Dr. Sushanta Karmakar is currently working as Associate Professor, at IIT Guwahati. He has completed his PhD from IIT Kharagpur from the Computer Science and Engineering department and has over 15 years of teaching experience.



Shubham Lal

Software Developer II at Microsoft

Mr. Lal is currently working at Microsoft as a Software Developer. He has played a key role in Curriculum Design and Content Development in several ed-tech companies. Mr. Lal has mentored more than 5000 learners in the field of Software Engineering.



Archit Agarwal

Software Developer 3 at Flipkart

Mr. Archit Agarwal is a Software Developer at Flipkart. He has 8+ years of experience in the software industry with expertise in Project Reactor, Apache Kafka, Apache Spark, and Google Cloud Platform. Mr. Agarwal has worked for PayPal and SAP Labs in the past.

Course Advisors / Faculty



Varun Gupta

Principal Consultant at Xebia

Mr. Gupta is a Software Developer, Consultant, and Trainer, with experience in technology consulting. A Microsoft-certified trainer, he has worked as AWS Solution Architect, Corporate Trainer, Consultant, Technical Content Writer, and Full-Stack Developer.



Aarish Ramesh

Sr. Software Engineer at Walmart Global Tech

A Sr. Software Engineer working at Walmart Global Tech, Mr. Ramesh has also worked in different companies like Paytm, Keastone, and Zoho Corporations. His knowledge includes Java, Data Structures, SQL, Algorithms, HTML, and other well-known technologies.



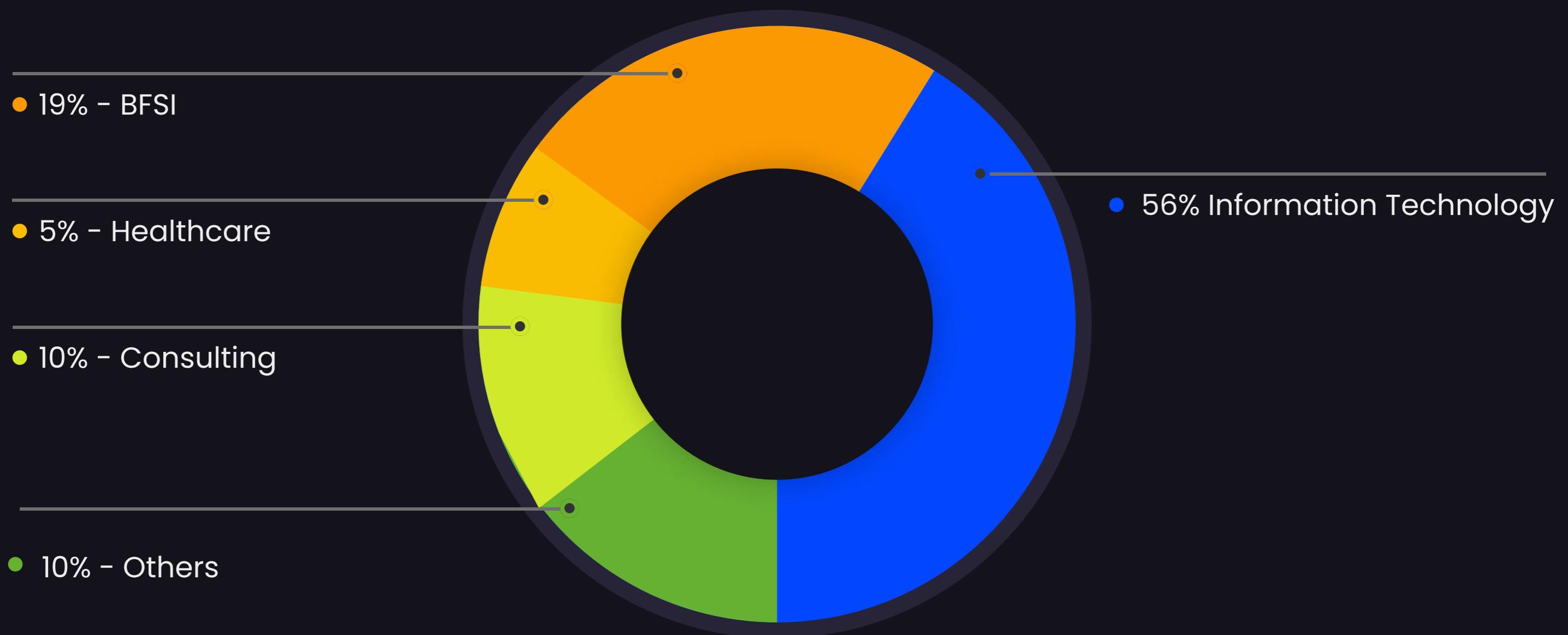
Snehil Jayaswal

Senior Software Engineer at Intel Corporation

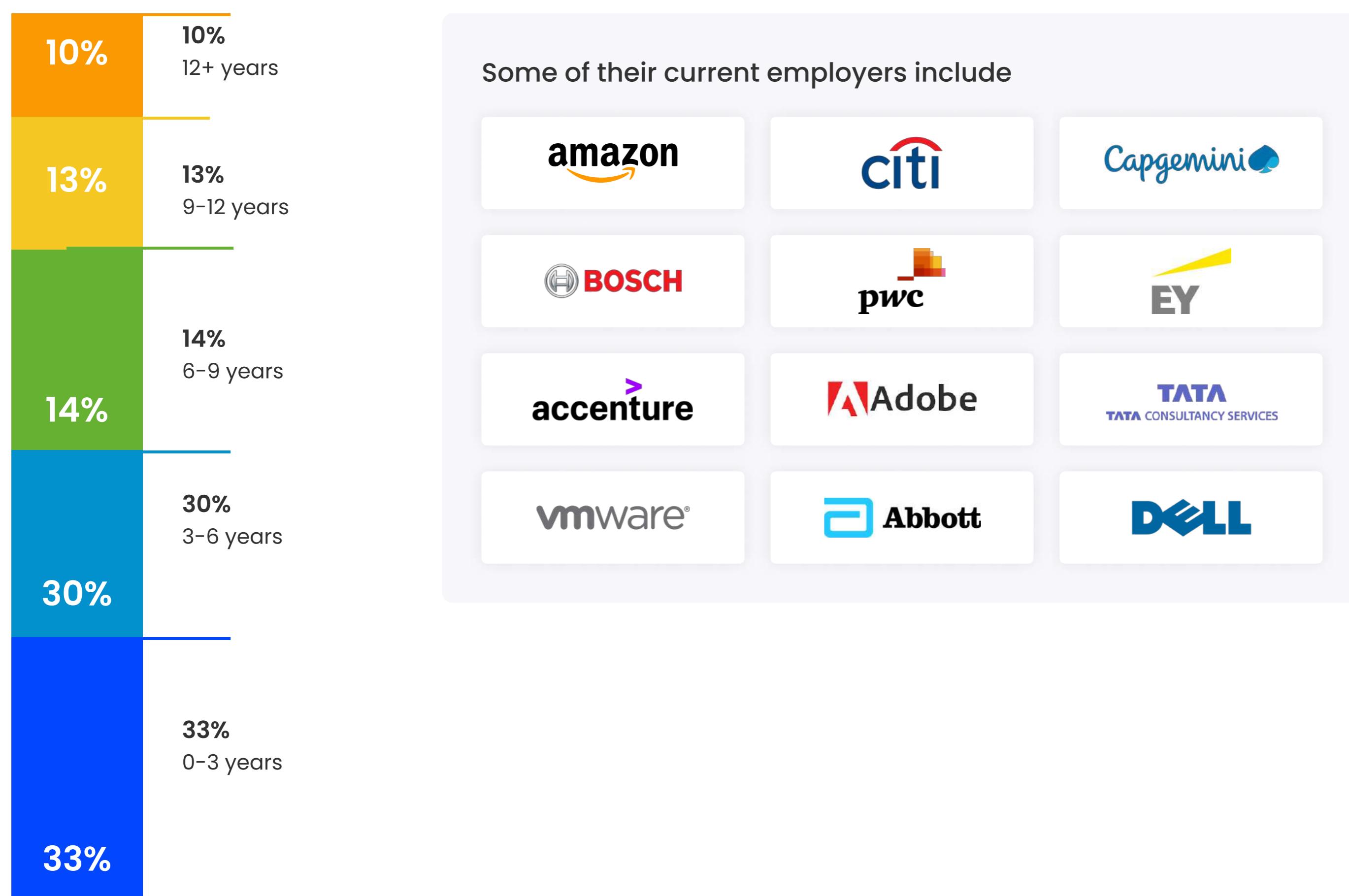
Mr. Jayaswal is skilled in Angular, JAVA, Python scripting, HTML, Linux, CSS, and Eclipse. He is currently working as a Senior Software Engineer at Intel Corporation. He is an expert in GitLab and Jenkins along with Dockers and Containers.

Meet the **Batch**

Industries Our Learners Come From



Work **Experience**



Glimpse of our Successful Transitions



4.6 ★★★★☆



4.5 ★★★★☆



4.38 ★★★★☆

Career **Transitions**

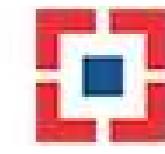


Nandhini R

Processing Officer | India

From
Freelance Content
Writer

To
Processing Officer
(SQL)



Pushkal Singh

Technical Lead | India

From
Software Engineer

To
Technical Lead



**Pinjari Shaikh Shahrugh
Shaikh Bismilla**

Software Engineer | India

From
Associate Software
Engineer

To
Software Engineer



Shaikh Saud

Chief Operating Officer | India

From
IT Admin

To
Chief Operating
Officer



Intellipaat Career Services



500+
Webinars



600+
Job Shares



400+
Hiring Partners



55%
Avg. Salary Hike*

What Makes Us **Tick**



Career-oriented Sessions

Attend 10+ career-oriented sessions by industry mentors and prepare your career trajectory



Profile Building

Craft a resume highlighting Software Development and a LinkedIn profile to make an impression on top employers



Mock Interview Preparation

Prepare yourself with mock interviews including the most asked questions by top employers



1:1 Mentoring Sessions

Get 1:1 guidance at every step in your career transition to Software Development



3 Guaranteed Interviews

Guaranteed 3 job interviews upon movement to the placement pool after clearing the Placement Readiness Test (PRT). Get interviewed by our 400+ hiring partners.**



Dedicated Job Portal Access

Get exclusive access to 200 job postings per month on Intellipaat's job portal



Job Fairs

Job fairs are conducted regularly to introduce learners to major organizations



Hackathons

Work in teams and get exclusive access to hackathons

Learner **Reviews**



Sabeena Maharjan
Software Engineer at Cisco Systems

Intellipaat is the best learning platform to learn about the latest technologies. The self-course videos provided were excellent. The course content provided me with great knowledge. Thank you Intellipaat team for your support.



Sarma Kanapalle
Full Stack (JS/.Net) Developer at Walmart

It was a nice learning experience with Intellipaat. The content and the trainers were awesome. The content has everything you need to learn to become a professional in technology. The trainers are experts who explain everything in a great way.



Pushkal Singh
Software Programmer at Laddu Systems

I had a good learning experience with Intellipaat. The lifetime access to course content has impressed me a lot. The live sessions by expert trainers were helpful and all my doubts were cleared. Thank you Intellipaat.

Program Partners



About Intellipaat

Intellipaat is one of the leading online training providers with more than 10 million learners in over 155 countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

We create courses in collaboration with top universities and MNCs for employability like EICT IIT Roorkee, EICT IIT Guwahati, IITM Pravartak, IIM Ranchi, IIT Jammu, IU, LSBU, University of Essex, University of Liverpool, IBM, Microsoft, etc.

Our courses are delivered by SMEs & our pedagogy enables quick learning of difficult topics. 24/7 technical support & career services help learners to jump-start their careers.



About iHUB DivyaSampark, IIT Roorkee

iHUB DivyaSampark, IIT Roorkee aims to enable an innovative ecosystem in new-age technologies like AI, ML, Drones, Robots, and data analytics (often called CPS technologies). It aims to do this by promoting and enhancing core competencies, capacity building, and manpower training to provide solutions for national strategic sectors and become a significant contributor to Digital India.

Achievements – IIT Roorkee:

- Ranked 7th 'Overall' and 6th in 'Engineering' in India as declared by NIRF 2022
- Ranked 175th in the world for 'Engineering and Technology' by QS World University Rankings 2023
- Ranked as the 369th best institute in the world by QS World University Rankings 2023
- Ranked as the 114th best institute in Asia by QS World University Rankings 2023

Upon the completion of this program, you will:

- Certification from iHUB DivyaSampark, IIT Roorkee



10 Million Learners & 500+ Corporates across 155+ countries
upskilling on Intellipaat Platform



Contact Us

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