

# Professional Certification Program in Full Stack Development

Curriculum Curated for the Curious **You**

Accredited by

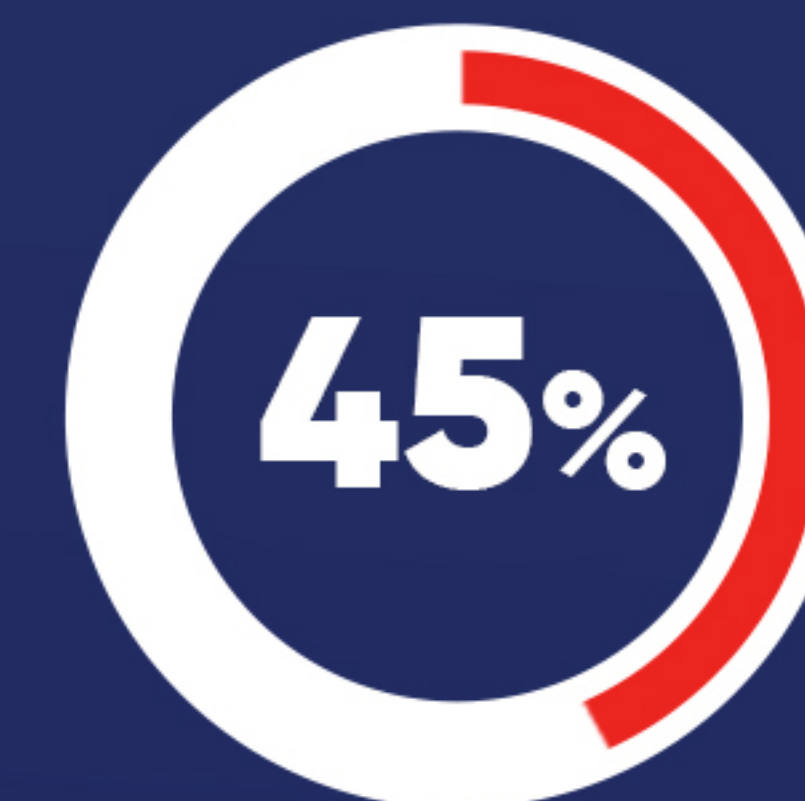


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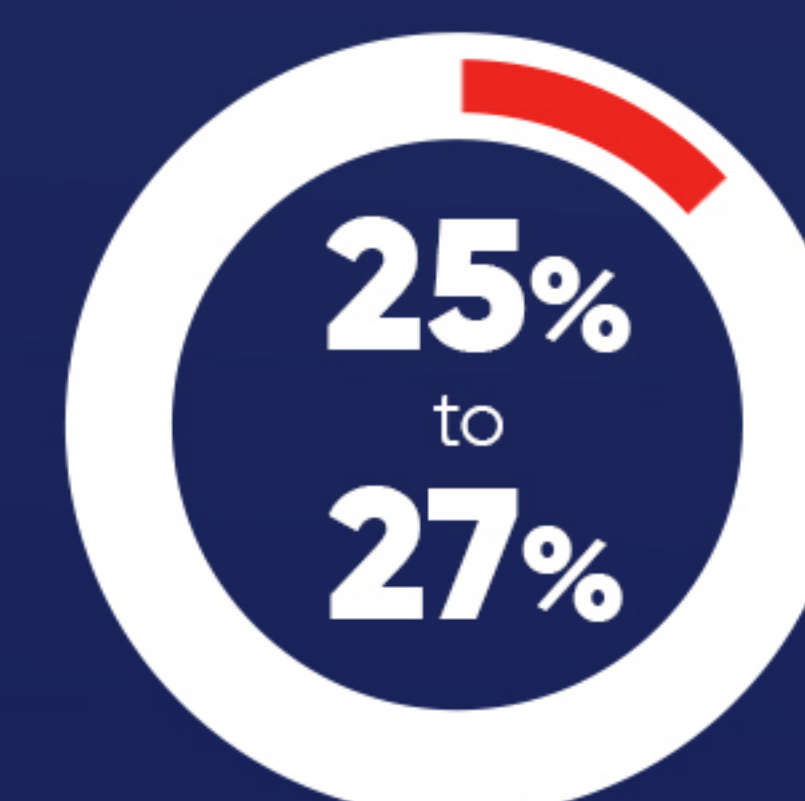
# THE TIME IS NOW



Only 45% of Indian graduates are job-ready



Over 42% of graduates under 25 are unemployed



25-27% is the gap in the Indian tech talent pool

Start **Now**. Skill Up  
Launch Your Career.

Pay After Placement Program



# Launching Careers Since 2021

**2500+**

Graduates have completed  
upskilling programs - online  
& offline.

**15 Days**

The average time takes to  
land the job after program  
completion.

**81%**

Learners found their dream  
jobs in top MNCs

**200+**

Hiring partners





# Our **3**-fold approach to **Career-readiness**



## **School of Aptitude and Attitude (SAA)**

Over 90% of companies use aptitude and communication tests to select candidates for the top job roles. The SAA takes care of this part of your preparation with smart shortcuts, regular practice and assessments, communication proficiency training, instructions in professional etiquette and more.



## **School of Core Domain Skills (SDS)**

A solid foundation in your core domain is the foremost requirement in your career journey. Our experienced trainers at SDS use a range of pedagogical tools, from trainer-led classroom sessions and LMS-based practice sessions to regular assessments and hands-on training through projects, to equip you with just the knowledge that recruiters are looking for.



## **School of Placement Excellence (SPE)**

We have a dedicated SPE to boost your chances of placement with the top recruiters across India. We work to match you with your preferred hirers and get you 3 assured interviews to make your career breakthrough. Throughout this process, we provide you with one-on-one support and interview guidance.



# Personalize Your Career Journey

Packages	KAT	Onboarding- IRC Initiation	Skill Test	School of Aptitude & Attitude	School of Core Domain Skills	School of Placement Excellence	Industry Readiness Certification	Placement Assistance
Self-Paced	✓	✓	✓	✓	✓	✗	✓	✗
Self-Paced Plus	✓	✓	✓	✓	✓	✗	✓	✗
Standard	✓	✓	✓	✓	✓	✓	✓	3 guaranteed interviews
Premium	✓	✓	✓	✓	✓	✓	✓	Guaranteed placement



# What a **Career** in **Full Stack Development Offers**



## Why this Career

- | High demand in job market
- | High income prospects
- | Rapid career growth
- | Versatile range of IT skills
- | Flexible career paths
- | Adaptability to emerging technologies



## Career Routes to Explore

- | Entry level Front-end developer: ₹ 3-4.8 LPA
- | ReactJS developer: ₹ 4-6 LPA
- | Database engineer: ₹ 5-7.5 LPA
- | Full stack developer: ₹ 7-9 LPA

## Opens Up **Careers** with

**accenture**

**tcs** TATA  
CONSULTANCY  
SERVICES

**cognizant**

**IBM**

**Capgemini**

**Infosys**

**wipro**

**Tech  
Mahindra**

Do you have what it takes to be a successful **fullstack developer**



# Roadmap

- | IRC initiation
- | **Day 2-8:** Programming Basics  
Marketing & e-Commerce
- | **Day 10-44:** HTML, CSS & Bootstrap
- | **Day 45:** Milestone I
- | Accelerated placement support  
(eligibility-based)
- | **Day 46-59:** JavaScript
- | **Day 60:** Milestone II
- | **Day 61-79 :** ReactJS, NodeJS,  
MySQL & MongoDB
- | **Day 80 :** Milestone III
- | Real-time projects
- | Placement support

# Bird's Eye View

This program gives you an in-depth understanding of **MERN technological stack**, covering both front-end and back-end applications.

 **Duration 110 days**

Self-paced learning: **70** hours

Trainer-led teaching: **270** hours

Practice: **180** hours

# Pedagogy

- | Cohort-based teaching, learning and discussions.
- | LMS-based learning
- | Assignments, assessments and coding practice
- | Hacker ranking coding challenges
- | Coursera-based learning
- | Hands-on projects

## Certification




## Eligibility

**No IT background necessary**; just a passion for the field and a degree in BE/B.Tech., BCA, or B.Sc. (CS/IT).



# KAT – Let's Map Your Career

**KAT or KGiSL MicroCollege Assessment Test is our customized AON assessment test to map your career.**

**We use your KAT score to identify your strong points and interests. This will help you make an informed decision about your career.**





# The Program – In Detail

Let's Cover the Curriculum

## Module 1 **HTML**

Get your basics of web development in order with this module.

- | Introduction to Web Development
- | Basic and formatting tags
- | HTML lists and links
- | HTML Grouping using DIV, SPAN and Navigation Bars
- | HTML Tables
- | Frame and Entities

## Module 2 **CSS**

Learn how you could use CSS to level up your web pages.

- | CSS3 Introduction
- | CSS Selectors
- | CSS Background Properties
- | CSS Text Formatting Properties
- | CSS Font Properties
- | Box Model & Buttons
- | CSS Display Property & CSS Position Property
- | Z- Index, Float
- | Overflow, Opacity, Image Masking
- | CSS Flexbox and Grid
- | Transition, Transform and Animation
- | Viewport and Media Queries



# The Program – In Detail

Let's Cover the Curriculum

## Module 3 **Bootstrap**

Find out how you could use Bootstrap to create mobile-first websites.

- | Bootstrap Introduction
- | Bootstrap Container and Grid
- | Typography, Colors, Buttons and Button Groups and Borders
- | Bootstrap Forms
- | Carousel, Cards and Modal
- | Nav, Navbars and Dropdown Menus
- | Bootstrap Flex

## Module 4 **Javascript**

Learn how you could add complex features, like interactive elements and graphics, using JavaScript.

- |                         |                                  |
|-------------------------|----------------------------------|
| Introduction to JS      | Map                              |
| Variables and Datatypes | Spread/Rest                      |
| Operators               | Call Back                        |
| Control Statement       | SetTimeOut and SetInterval       |
| Loops                   | Destructing of Object            |
| Function                | Local Storage                    |
| Array, Math, String     | JavaScript Object Notation(JSON) |
| Regular Expression      |                                  |
| Document Object Model   |                                  |
| Event and Handlings     |                                  |
| Arrow Function          |                                  |



# The Program – In Detail

Let's Cover the Curriculum



Start with database fundamentals and build up to working with the popular MySQL system.

- | Database Fundamentals
- | Interacting with Database using SQL
- | Reading Records from the Table
- | Restricting the Output
- | MySQL Built-in Functions
- | Using Subqueries to Solve Problems
- | Maintaining Data Integrity
- | Reading Records from Multiple Tables
- | DCL
- | Other Database Objects
- | Transactions



Move on to the newer approach in database management, MongoDB- for dealing with 'humongous' amounts of data.

- | Introduction to NoSQL Databases
- | Altering Collections
- | MongoDB CRUD Operations
- | Querying Documents
- | Aggregation Pipeline
- | String Operators
- | Working with Dates



# The Program – In Detail

Let's Cover the Curriculum



## Module 7

### ReactJS

Learn how building interactive UX into your websites can be simplified using ReactJS.

- | Introduction to React and Installation
- | How to Create a React Project
- | Importing Methods
- | Exporting Methods
- | Package Installation (Bootstrap)
- | Explanation of Packages
- | Router, Redux
- | Class Component and Functional Component
- | Life Cycle of Class Components and Overview of Hooks
- | useState
- | useEffect
- | Backend to Frontend Connectivity (Axios)



## Module 8

### NodeJS

Finish off by learning how you can use NodeJS for server-side web applications.

- | Introduction to NodeJS and Installation
- | Import and Export Modules
- | Express Introduction and Installation
- | Database Connectivity
- | Postman and Rest API
- | CRUD Operations



# Let's Master the Tools



HTML



CSS



JavaScript



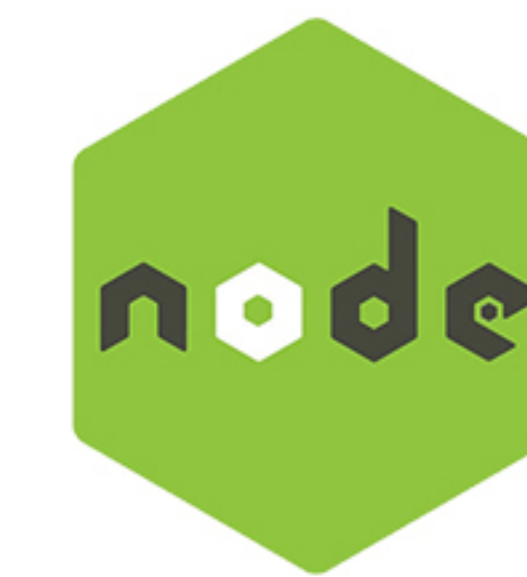
Core Java



MySQL



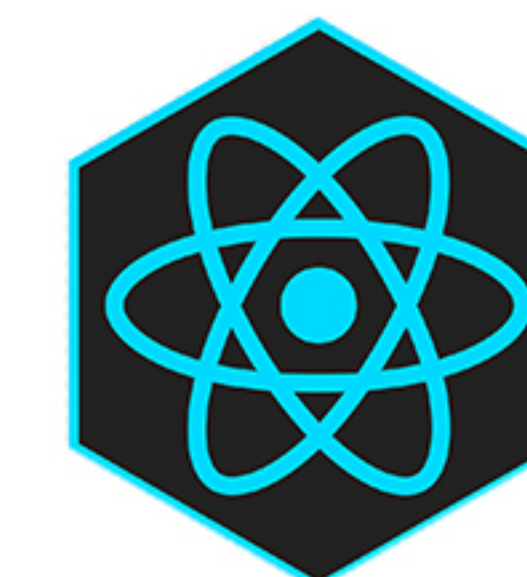
MongoDB



Node JS



Express JS



React JS



Spring Boot



# Let's Tackle the Projects

Work on 3 mini projects and 1 main capstone project using the concepts you learn in fullstack development, database management and deployment strategies.

## Create an HR Portal

- | Create different login modules for admin, user and HR.
- | Enable the HRs to register job descriptions and collect candidate CVs.

## Create a Service Management Portal

- | Create different login modules for the admin, service vendor and users.
- | Enable users to find service vendors like plumbers, carpenters, etc.

## Creating a Rental Vehicle Portal

- | Enables users to find vendors who match their needs
- | Enable users to rent a vehicle according to their budget.



# Let's Hone the Soft Skills

Add-on courses to boost your chances of a successful career in Full-Stack Development.

## **Aptitude:**

Familiarize yourself with the interviewers' favorite questions in:

- | Quantitative Aptitude
- | Data Interpretation
- | Logical Reasoning

## **Communication:**

Strengthen your communication and other domain-appropriate soft skills like:

- | Language Structure- Grammar, Verbal Ability and Reading Comprehension
- | Business Vocabulary
- | Design Thinking
- | Speaking Etiquette
- | Professional Etiquette
- | Presentation Skills
- | Public Speaking



# Let's Get You Certified

## Industry Readiness

We use a standardized assessment to certify your readiness to take on real life assignments in your field at the end of the program.

## How IRC gives you an edge over others:

- | Allows the top hirers know your
- | Improves your marketability
- | Increases your earning potential

## Program-specific

- | Meta Front-End Developer Professional Certificate
- | Meta Back-End Developer Professional Certificate
- | Data structures and management with MySQL
- | Introduction to MongoDB





# 3 Placement Assistance

## Real-time Projects

- | Real-time projects from industry partners
- | Collaboration with experts

## Interview Training

- | Mock interviews with domain heads
- | Mock interviews with industry experts

## Prime-hour Support

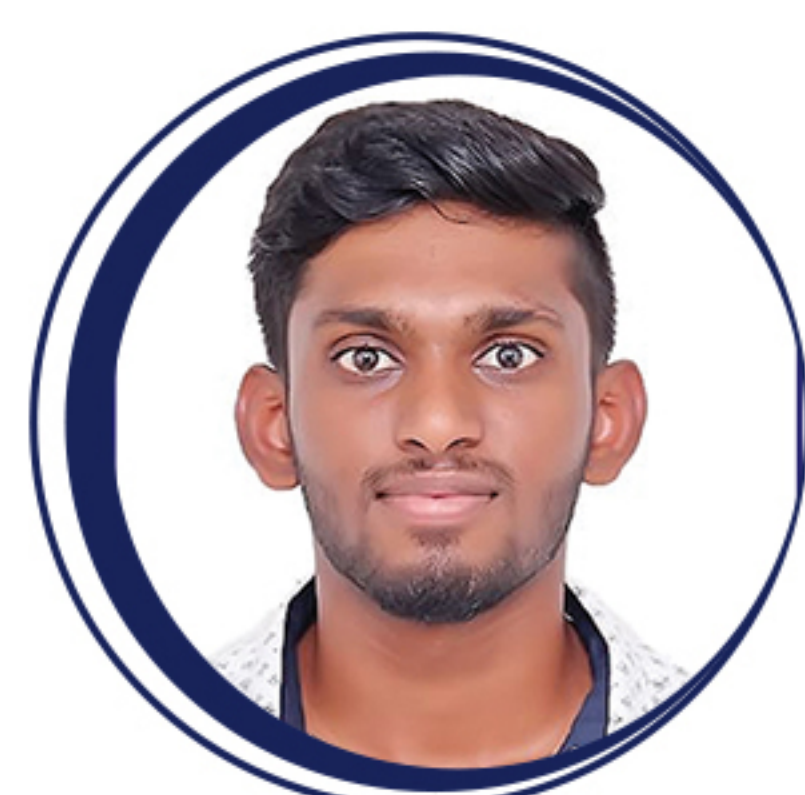
- | 1:1 training support
- | Level-based attention
- | Remediation





# Meet Our Alumni

**81%** of our students have successfully kickstarted their careers with the top tech firms.



**UDHAYA  
ABISHEIK N**



**ANTONY  
RAJA A**



**UMAMAHESWARI P K**



**SOWNTHARIYA K**



**SINDHU S**



**DIVYA P**



**KATHIRVEL R**



**SAMUVEL  
ANANTH T**



**SABARI P**



**BARATH RAHAV**



**PRAVEENRAJ.V**



**ARAVINTH R**



**ARVINDH  
KUMAR G**



**JOTHIMURUGAN.S**



**MANASHA.R**



**AMUDHAVAN M**



**ASHOK KUMAR M**



**BHARATHIRAJA A**



**ELAVARASAN V**



**JEREENA J**

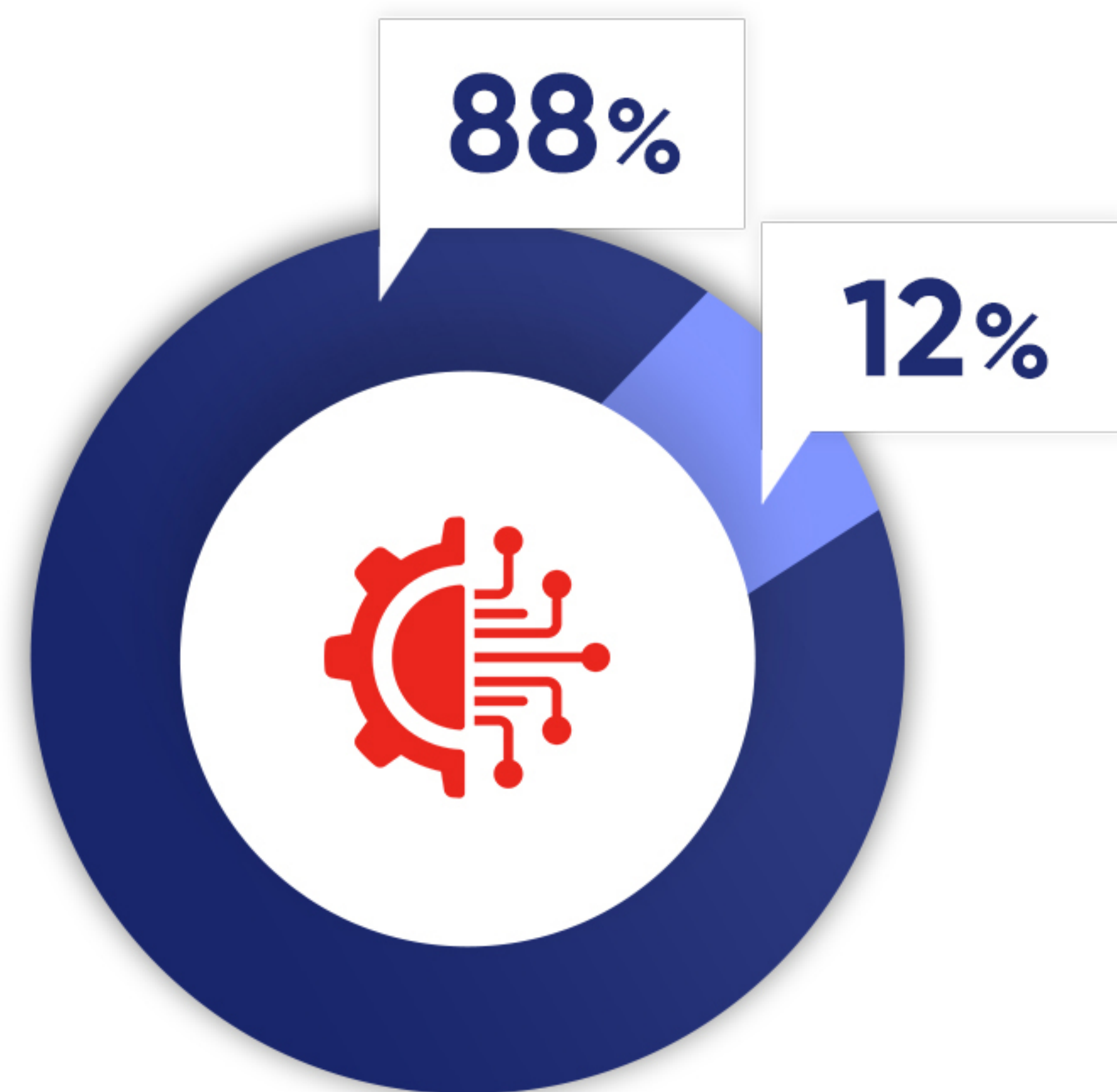


**KAMESHWAR S**



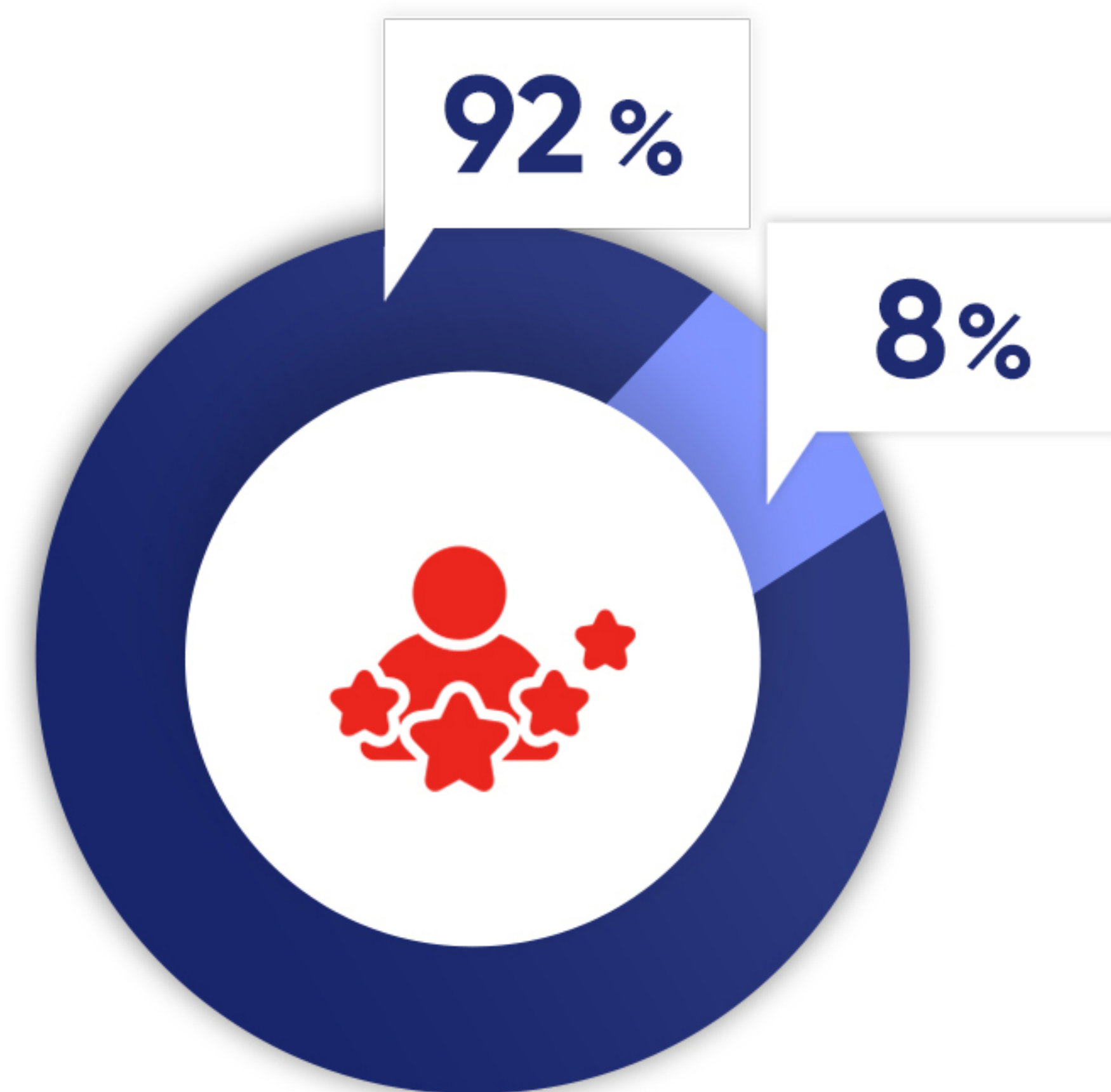


# Alumni Batch Profile



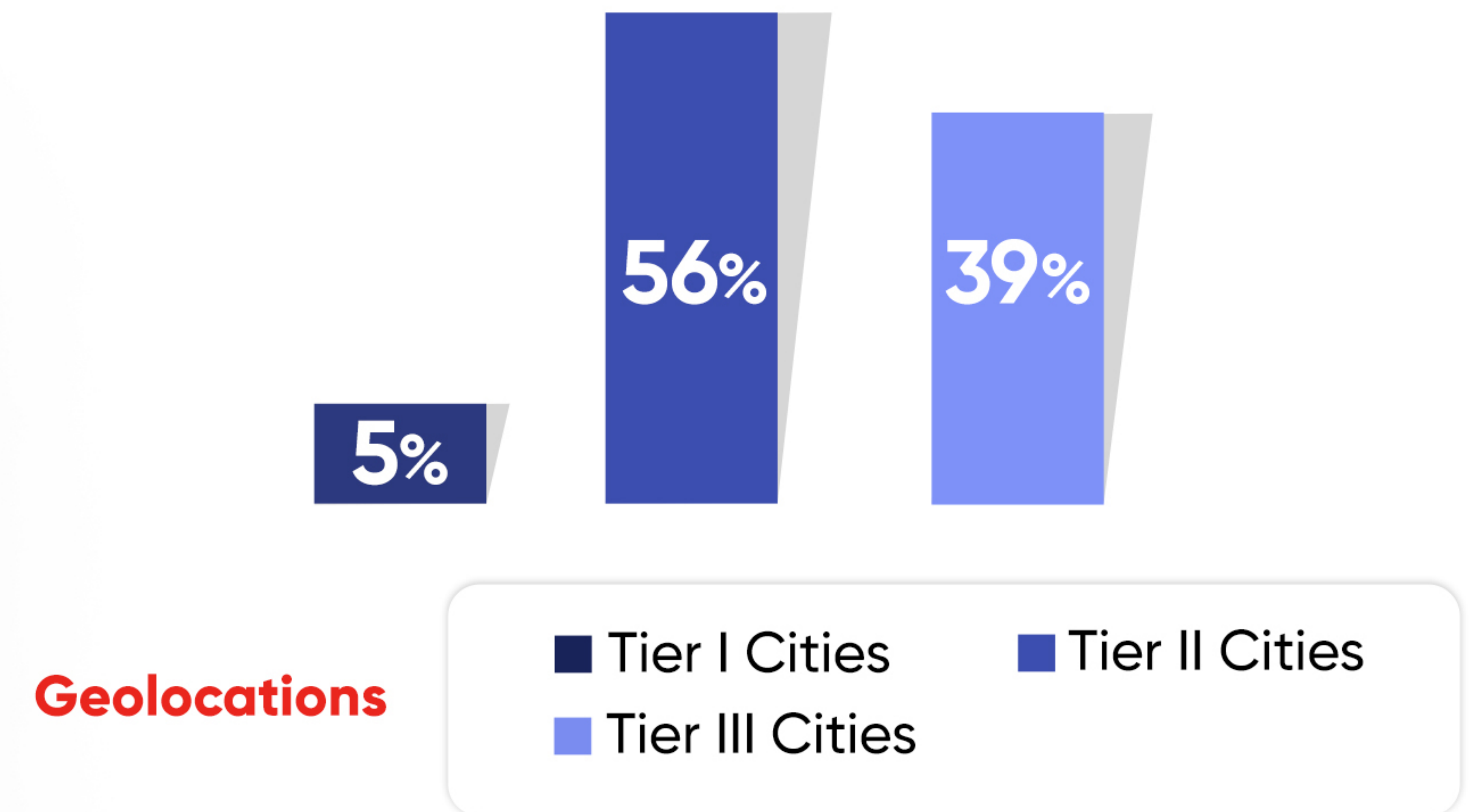
**Educational Background**

■ Tech  
■ Non-Tech



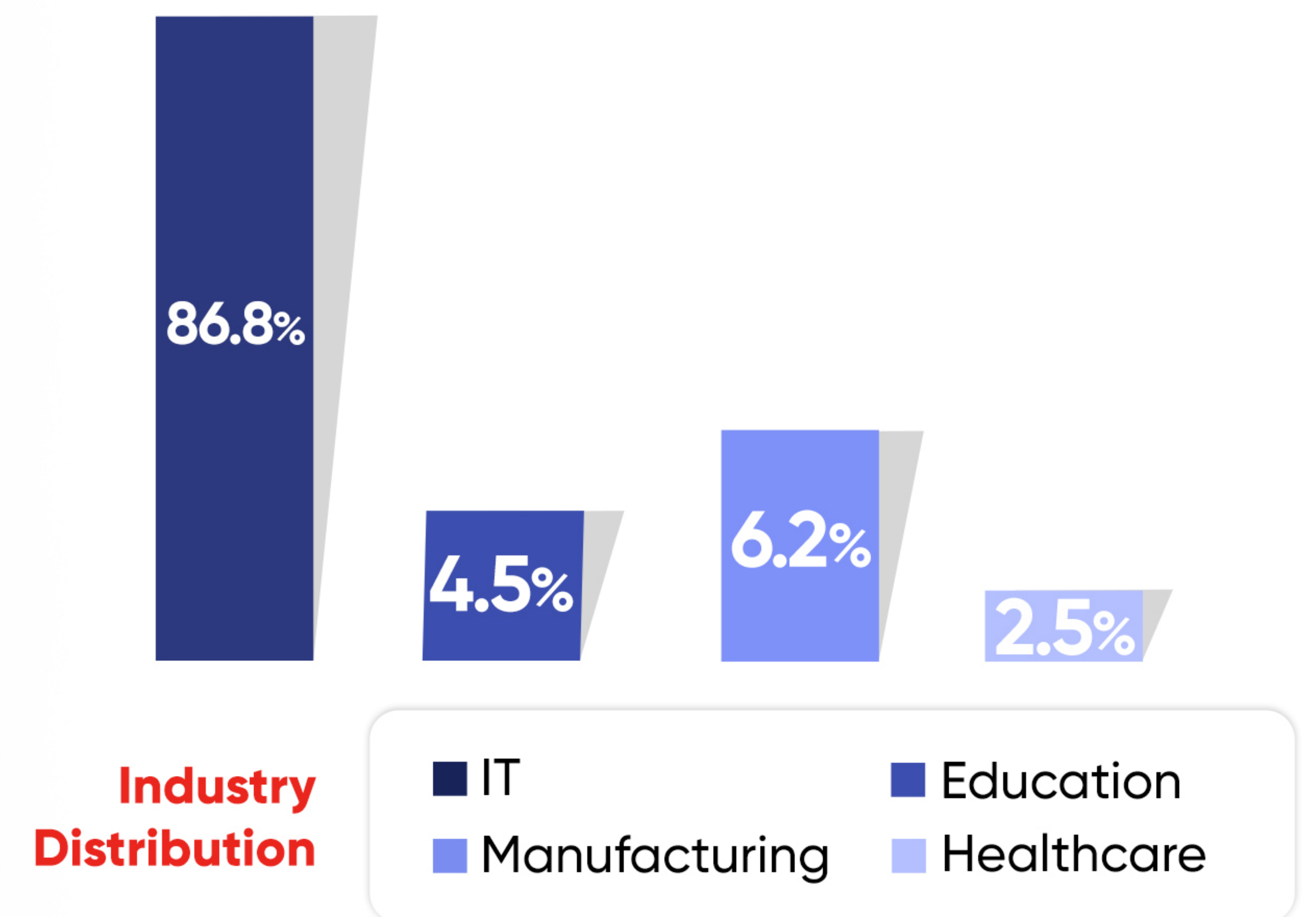
**Experience**

■ Fresher  
■ Experienced



**Geolocations**

■ Tier I Cities  
■ Tier II Cities  
■ Tier III Cities



**Industry Distribution**

■ IT  
■ Education  
■ Manufacturing  
■ Healthcare



# Our Alumni are at







**We're here** to guide you from where  
you are to the workplaces you want to be.



Scan to get started

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