



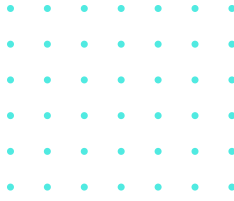
# PYTHON & ARTIFICIAL INTELLIGENCE

PROGRAM  
CURRICULUM

CODING PRO

[www.codingpro.online](http://www.codingpro.online)

Created by IIT and IIM Alumni



# WHO ARE WE?



## Revolutionizing Education

Coding Pro is redefining technical education with industry-relevant courses and hands-on training. Focused on practical skills, we prepare students for high-demand careers in fields like QA Testing, Python & AI, and Data Analytics, **bridging the gap between learning and employment.**

## About Us

Coding Pro is an edtech company specializing in personalized **AI-driven upskilling for students**. We provide tailored educational solutions to universities and colleges, delivering top-quality education. **Our team of IIT and IIM graduates develop cutting-edge technology solutions for campuses.** In collaboration with NSDC, we've launched a program to **integrate advanced technology into learning and upskilling.**

## Python & AI: Shaping the Future of Innovation

Python is the backbone of **Artificial Intelligence (AI)**, offering simplicity, versatility, and powerful libraries that make AI development seamless. From automating tasks to building intelligent applications.

Imagine a virtual assistant that understands your voice commands or a recommendation system that suggests what to watch next—AI powers these innovations. With Python, you can develop **machine learning models**, automate workflows, and build smart systems that solve real-world problems.

**Whether you're a beginner or an experienced developer, mastering Python & AI opens doors to endless possibilities** in data science, automation, and cutting-edge innovations.

# Message from Our Founders



*At Coding Pro, we believe in shaping future-ready professionals by bridging the gap between academic learning and industry requirements. As an IIT alumnus, I've witnessed how companies prioritize hands-on skills and adaptability over traditional qualifications. Take the leap with Coding Pro and unlock your potential for success in high-demand careers.*

**Sumit Bhat**

**Founder of CodingPro**



*In today's ever-evolving tech landscape, staying relevant means staying skilled. As an IIT graduate, I've always advocated for learning that is immersive and application-driven. At Coding Pro, we focus on industry-relevant tools, live projects, and cutting-edge practices to ensure you're prepared for the real-world challenges ahead. This is your chance to master the skills that employers value the most—join us and redefine your career trajectory.*

**Vikas Shukla**

**Co-Founder of CodingPro**



## Program Instructor



**Asst. Prof. Neelu Verma**

Hello! I'm Neelu Verma, a seasoned AI/ML expert with an M.Tech-Ph.D. from IIT Jodhpur and a B.Tech degree in Computer Science. With 1.5 years of experience as a Project Associate in Data Science at IITR, I've developed a passion for harnessing AI and ML to drive innovation.

*Through this program, I'll share my expertise to help you master Python, AI, and ML concepts, and apply them to real-world problems. Get ready to build your skills, enhance your expertise, and propel your career in AI and data science!*





# Our Program



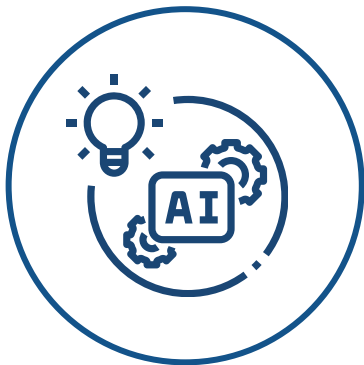
## Industry-Driven Curriculum

Designed with input from industry experts to meet real-world demands.



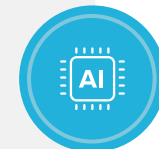
## Virtual Labs & Testing Tools

Hands-on practice in a browser—no downloads, no hassle.



## AI-Enabled Learning

Personalized and adaptive learning powered by Artificial Intelligence.



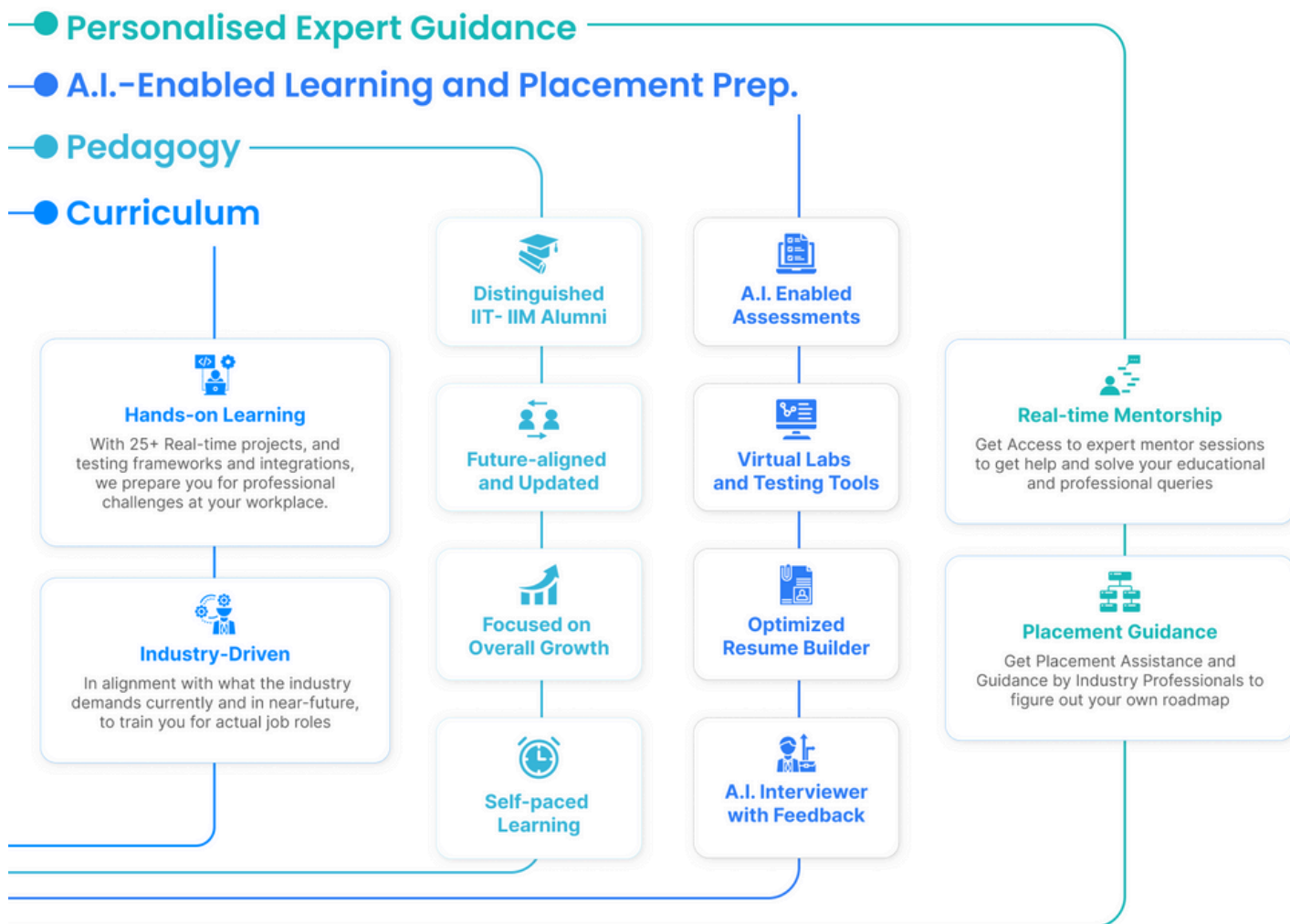
## Expert Guidance

Mentorship from seasoned professionals with real-time feedback.



# Our Comprehensive Ecosystem

We have meticulously designed an entire web-based ecosystem encompassing all stages of your learning journey and more. With us, you don't need to look for resources or assistance anywhere else, as we deliver brilliance directly to you.



## Unlock Success in 3 Simple Steps



# Is learning **Python & AI** the right career move for you?

**We'll help you decide.**

As industries embrace automation and data-driven decision-making, the demand for Python & AI professionals is soaring, offering not only job security but also the chance to work on groundbreaking innovations in fields like healthcare, finance, and automation.

The best part? Python's simplicity makes AI accessible even for beginners, meaning you don't need an advanced technical background to get started. Whether you're switching careers, diving into tech for the first time, or upskilling for the future, Python & AI provide a powerful and rewarding entry point into one of the fastest-growing fields in technology.

- According to Fortune Business Insights, the global AI market was valued at \$515.3 billion in 2023 and is expected to grow at a **21.6% CAGR**.
- In India, NASSCOM projects the AI market to reach **\$17 billion by 2027**.



According to BLS, AI and machine learning jobs are expected to grow **35%** by 2032, among the fastest-growing careers.



McKinsey reports that **50% of companies** have adopted AI in at least one business function.



By 2027, global AI spending is expected to exceed \$300 billion

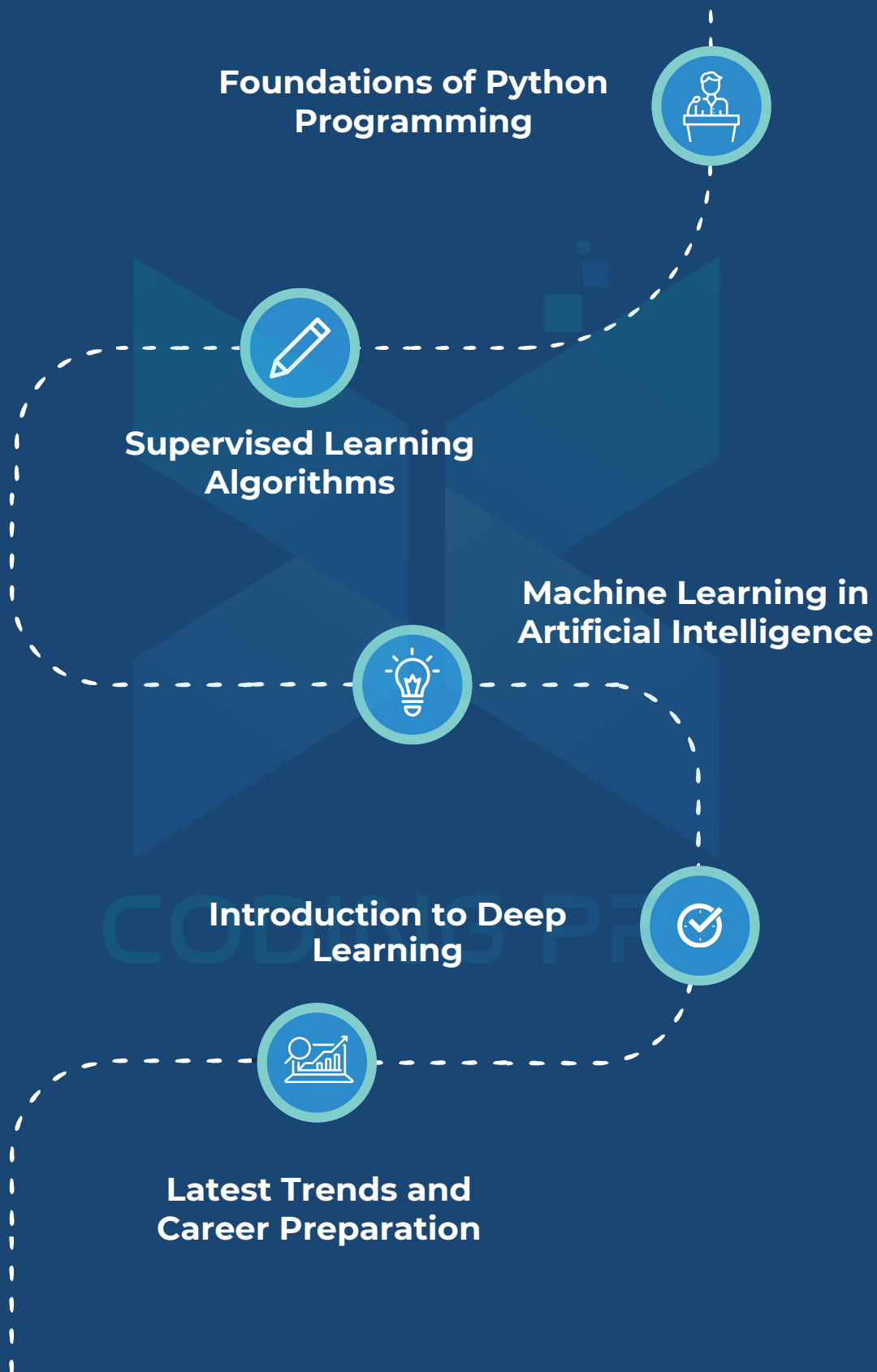


PwC estimates AI could contribute \$15.7 trillion to the global economy by 2030.

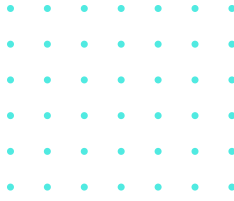
Gartner predicts that by 2025, AI will power 95% of enterprise applications.



# 6-Month Program Roadmap



# Program Curriculum



## 1 Foundations of Python Programming

- Introduction to Python
- Data Types and Variables, Control Structures
- Functions and Modules
- OOPS Concepts
- File Handling
- Libraries & Data Wrangling

## 2 Supervised & Unsupervised Learning Algorithms

- Gradient Boosting Machines (GBM)
- Support Vector Machines (SVM)
- K-Nearest Neighbors (KNN)
- Naive Bayes Classifier
- Dimensionality Reduction Techniques

## 3 Machine Learning in AI

- Introduction to AI and ML: History, applications
- Scikit-learn Basics: Regression, classification, clustering
- Performance Metrics:
- Learning Algorithms
- Generative Models

## 4 Introduction to Deep Learning

- Basics of Neural Networks: Perceptron, multi-layer perceptrons
- Activation functions
- Key Architectures: CNNs, RNNs, and their applications
- Training Techniques: Loss Functions
- Backpropagation & gradient descent

## 5 Latest Trends and Career Preparation

- Cloud AI Platforms
- No-Code & Low-Code AI
- Latest AI Innovations
- Career Preparation & Mock Interviews

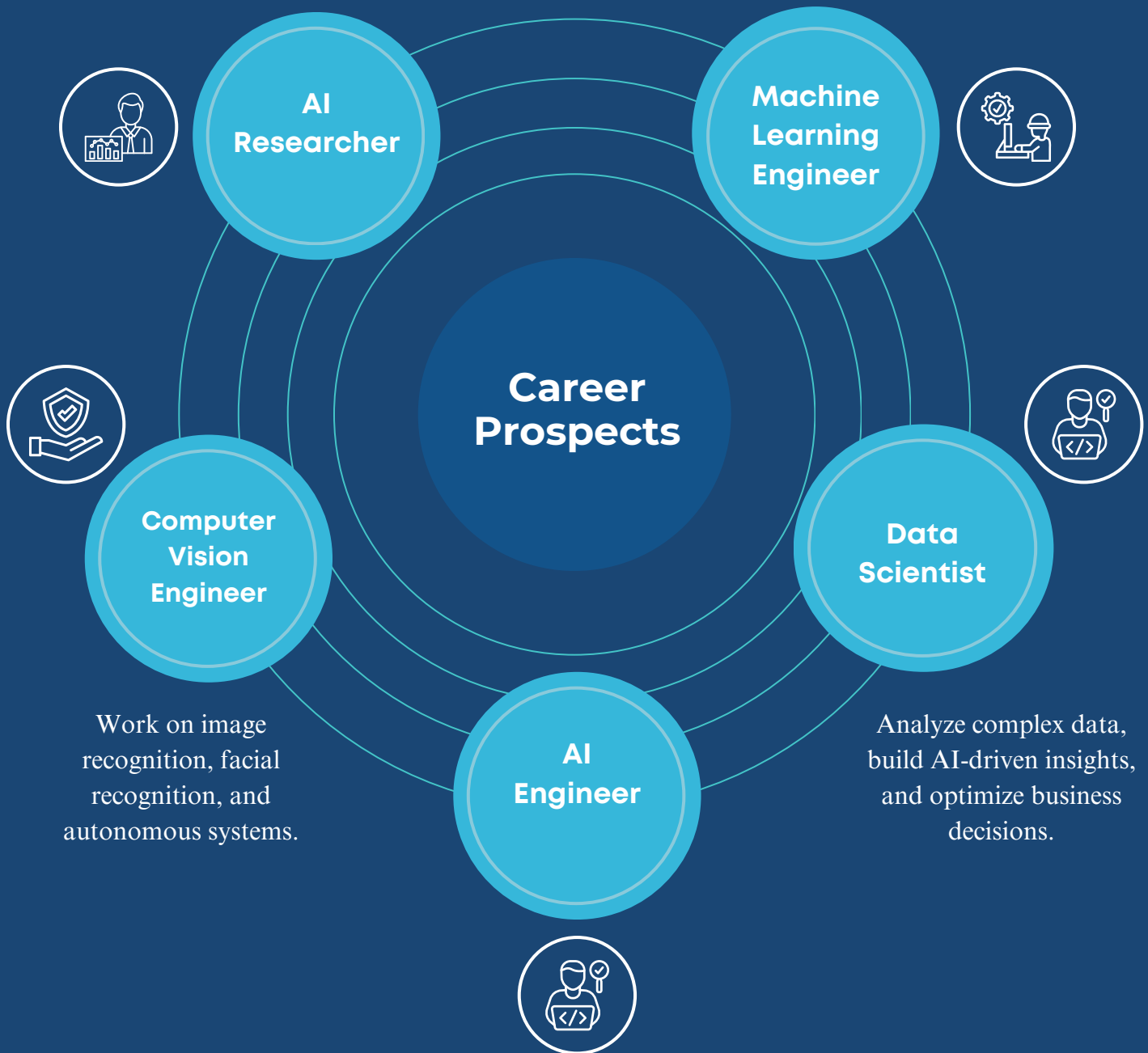




# Career Prospects

Advance AI algorithms, deep learning models, and contribute to cutting-edge innovations.

Develop and deploy ML models for automation and predictive analytics.



Work on image recognition, facial recognition, and autonomous systems.

Analyze complex data, build AI-driven insights, and optimize business decisions.

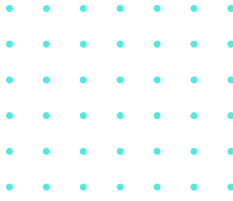
Design and implement AI-powered applications in industries like healthcare and finance.

# Key Tools & Technologies :



## Top Recruiting Companies





## Success Stories

# Student Testimonials

**Rajat Khanna**

Junior Data Analyst,  
DataVision

*I always wanted to learn AI but didn't know where to start. Coding Pro's Python & AI course broke down complex topics into simple, practical lessons. The hands-on projects really helped me understand machine learning, and I landed a junior data analyst role soon after completing the course!*

**Megha Reddy**

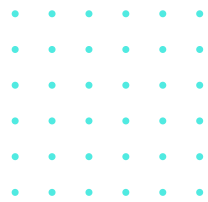
Software Engineer (AI),  
TechSphere

*As a software developer, I wanted to upskill in AI but needed a structured approach. This course provided exactly that—clear explanations, real-world projects, and resume support. Thanks to Coding Pro, I successfully transitioned into an AI-focused role.*

**Siddharth Panchal**

Data Science Associate,  
Insight Analytics

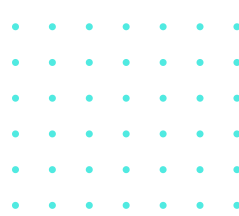
*I was new to coding, but the step-by-step learning style made Python and AI approachable. The mentors were always there to guide me, and the mock interviews boosted my confidence. Within two months of completing the course, I got my first job in data science!*



# Pricing

Features	Advanced	Basic
	₹54,000 ₹35,100	₹47,000 ₹30,100
Curriculum	Designed as per company's current requirements	Designed as per company's current requirements
Doubts Clarification	Weekly Doubt Clarification, 150+ Mentors to help you	Self-learning through recorded sessions and extensive e-books
Trainers	Recorded sessions from Alumni of IIT-IIM	Recorded sessions from Alumni of IIT-IIM
Placement Opportunities	Placement Assistance and Personalized Feedback from Experts	Personalized reports by AI Interviewer-Curie
Projects	20+ Real Time Projects to make your resume and skills strong	20+ Real Time Projects to make your resume and skills strong
Access to Labs	24 x 7 Online State-of-the-art labs. No installation/setup needed	24 x 7 Online State-of-the-art labs. No installation/setup needed
AI Mock Interviews	With AI Interviewer - Curie	With AI Interviewer - Curie
Expert Mock Interviews	With dedicated Tech Tech and HR Panels	✗
Senior's Interview Experience	✓	✗
Scheduling Interviews	✓	✗
Salary Negotiations with Companies	✓	✗





# Eligibility Criteria



- **Education**

Open to all graduates and final-year students (technical background isn't mandatory)

- **Equipment**

Access to a laptop or desktop with a stable internet connection

- **Skills**

No prior coding or testing experience is needed; basic computer knowledge is sufficient. The course content is beginner- friendly.

- **Age**

18 years and above.

- **Language**

Basic English proficiency



# CODING PRO

Where the world learns to code



## WEBSITE

[www.codingpro.online](http://www.codingpro.online)



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