

EVOLVE

AI for Healthcare Professionals

by *Dreams Over Degrees*

Duration 6 Weeks	Total Modules 11 Modules	Total Projects 4 Projects	Learning Hours 25–30 Hours
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ABOUT THE PROGRAM

What is EVOLVE?

EVOLVE is a structured, hands-on program designed specifically for healthcare professionals to learn AI, build practical skills, create real-world projects, and explore opportunities beyond traditional career pathways.

No coding experience required. Beginner friendly. 100% relevant to healthcare.

PROGRAM STRUCTURE

Weekly Schedule

Component	Details
Recorded Modules	2 modules released per week
Module Duration	1.5 – 2 hours per module
Assignments	30 – 45 minutes per module
Project Work	1 – 2 hours per week
Live Doubt Session	Every Wednesday – 7:00 PM
Total Program Effort	25 – 30 learning hours
Cohort Duration	6 weeks (approx. 1.5 months)

DETAILED SYLLABUS

Module-by-Module Breakdown

11 modules + 1 orientation video · 33 lessons · 6 weeks

Module 00 **Course Introduction** [Orientation]

1 Lessons · ~20 min

Welcome video covering the program overview, how to navigate the course, community setup, assignment structure, and a message from the instructor.

Topics Covered

- What is EVOLVE and why it matters
- How to use the platform and resources
- Community, assignments & doubt session guide
- What you will achieve by the end

Module 01 **AI Foundations** [Core]

3 Lessons · ~1.5 hrs

Build a solid conceptual foundation in AI before writing a single line of code. Understand where AI fits in healthcare and how it is already changing medicine.

Topics Covered

- Introduction to Artificial Intelligence
- AI vs Machine Learning vs Deep Learning
- AI in Healthcare — Overview & Impact
- Real-world Healthcare AI Applications
- Course Orientation & Community Setup
- Assignments & Community Structure

Module 02 **Python Essentials** [Technical]

4 Lessons · ~2 hrs

Learn just enough Python to work with healthcare data and build AI models — no prior programming experience needed.

Topics Covered

- Variables & Data Types
- Lists & Dictionaries
- Loops & Functions
- Jupyter Notebook Basics
- Healthcare-specific Python Examples
- Debugging using AI (Claude/ GPT)
- Understanding to read codes

If want details take a separate course

Module 03 **Data Analytics & Statistics** [Technical]

4 Lessons · ~2 hrs

Learn to understand, clean, and visualize healthcare datasets. Statistics concepts made practical with real medical data examples.

Topics Covered

- Mean, Median & Standard Deviation
- Data Cleaning Techniques
- Data Visualization (charts, plots)
- Exploratory Data Analysis (EDA)
- Working with Healthcare Datasets

Module 04 **Machine Learning** [Technical]

4 Lessons · ~2 hrs

Understand how machines learn from data. Build your first predictive models using real healthcare scenarios like disease prediction.

Topics Covered

- Supervised vs Unsupervised Learning
- Train-Test Split
- Classification & Regression
- Model Evaluation Metrics
- Healthcare ML Workflow

Module 05 **Deep Learning** [Technical]

3 Lessons · ~1.5 hrs

Go deeper into neural networks — the engine behind medical imaging AI, drug discovery, and clinical decision tools.

Topics Covered

- Neural Networks — How They Work
- CNN (Convolutional Neural Network) Basics
- Deep Learning Workflow
- Healthcare Applications of Deep Learning

Module 06 **Medical Imaging AI** [Specialisation]

3 Lessons · ~1.5 hrs

Apply AI specifically to radiology and medical imaging. Learn annotation, image classification, and how AI reads X-rays and CT scans.

Topics Covered

- X-rays, CT Scans & MRI in AI Context
- Image Classification Concepts
- Annotation Basics
- Introduction to Label Studio
- Computer Vision in Healthcare

Module 07 **NLP & Large Language Models** [Specialisation]

3 Lessons · ~1.5 hrs

Understand how AI processes clinical text, powers medical chatbots, and assists documentation — the fastest growing area of healthcare AI.

Topics Covered

- NLP Basics & Clinical Text Processing
- Prompt Engineering for Healthcare
- LLM Applications in Medicine
- Building Medical Chatbot Concepts
- AI Documentation Assistants

Module 08 **AI for Healthcare Research** [Applied]

3 Lessons · ~1.5 hrs

Use AI to 10x your research productivity — from literature search to writing assistance to data analysis.

Topics Covered

- Literature Review with AI Tools
- Research Workflow Optimisation
- AI Productivity Tools for Researchers
- Reference Management with AI
- AI-assisted Research Writing
keeping the analytics of your research yourself, using Colab to make the graphs for the research work

Module 09 **Resume Building & Portfolio** [Career]

2 Lessons · ~1 hr

Build a professional AI portfolio that makes you stand out — even without prior industry experience.

Topics Covered

- Resume Design for Healthcare + AI Roles
- LinkedIn Profile Optimisation
- GitHub Basics for Healthcare Projects
- Personal Branding Strategy
- Portfolio Building — Step by Step

Module 10 **Healthcare Startup & Innovation** [Entrepreneurship]

2 Lessons · ~1 hr

Learn startup thinking applied to healthcare problems. Understand how health-tech companies are built and how to pitch your idea.

Topics Covered

- Identifying Healthcare Problems Worth Solving
- Health-Tech Ecosystem in India & Global
- MVP (Minimum Viable Product) Basics
- Startup Thinking for Clinicians
- How to Pitch a Health-Tech Idea

Module 11 **Career Pathways in Healthcare + AI and Showcase your Innovation Ideas and Pitch** [Career]

2 Lessons · ~1 hr

Map your future. Understand every career path available at the intersection of healthcare and AI — from clinical AI roles to research to entrepreneurship.

Topics Covered

- Career Opportunities in Health-Tech
- Key Roles — Clinical AI, Research, Product, Consulting
- Interview Preparation for AI Roles
- Networking Strategy
- Your 6-Month Roadmap After EVOLVE

Assignments (given as small Tasks)

Understanding of your goal

Learning Python(short Coding task)

Prompting, debugging, Annotations

PROJECTS

4 Real-World Projects

Every student builds 4 end-to-end projects — designed to go directly into your portfolio and resume.

Project 01 Healthcare Machine Learning Project [ML]	
Examples <ul style="list-style-type: none">– Diabetes prediction model– Heart disease risk prediction	Skills Gained <ul style="list-style-type: none">– Data preprocessing & cleaning– ML workflow implementation– Model evaluation & interpretation
Deliverable: Working ML model + code + brief write-up	

Project 02 Medical Imaging AI Project [Computer Vision]	
Examples <ul style="list-style-type: none">– X-ray classification– Pneumonia detection workflow	Skills Gained <ul style="list-style-type: none">– Medical image annotation– Image preprocessing concepts– CNN-based classification workflow
Deliverable: Annotated dataset + image classification model + documentation	

Project 03 NLP / LLM Healthcare Project [NLP]	
Examples <ul style="list-style-type: none">– Medical chatbot prototype– Clinical text assistant	Skills Gained <ul style="list-style-type: none">– Prompt engineering for healthcare– NLP workflow implementation– LLM API integration basics
Deliverable: Working chatbot / clinical text tool + prompt documentation	

Project 04 Healthcare Startup Pitch Project [Innovation]	
Examples <ul style="list-style-type: none">– Original health-tech startup idea	Skills Gained <ul style="list-style-type: none">– Problem identification in healthcare– AI solution design

– MVP planning & communication

Deliverable: 1-slide pitch deck: Problem → Solution → AI Integration → Target Users

STUDENT DELIVERABLES

What You Walk Away With

Completed Work

- ✓ All Module Assignments
- ✓ 4 Real-World Projects
- ✓ Final Quiz
- ✓ Feedback Submission

Career Assets

- ✓ Professional Resume (AI-focused)
- ✓ Optimised LinkedIn Profile
- ✓ GitHub Portfolio
- ✓ Portfolio Draft
- ✓ Certificate of Completion

CERTIFICATE OF COMPLETION

Certificate Eligibility Criteria

Students who meet ALL of the following criteria will receive an official Certificate of Completion from Dreams Over Degrees:

01	Assignment Completion — all module assignments submitted
02	Project Submission — all 4 projects submitted
03	Quiz Completion — final quiz attempted and passed
04	Feedback Submission — course feedback form completed
05	Team Verification — verified by the EVOLVE team

WHO SHOULD JOIN

Built for All Healthcare Professionals

MBBS	BDS	BAMS
BHMS	Pharmacy	Nursing
Allied Health	Researchers	Healthcare Professionals

✓ No coding experience required ✓ Beginner friendly ✓ 100% healthcare relevant

PRICING

Simple, Affordable Pricing

Full program access. No hidden fees.

STUDENT PLAN

₹799

For MBBS, BDS, BAMS, BHMS, Pharmacy, Nursing & Allied Health students

PROFESSIONAL PLAN

₹999

For practicing healthcare professionals, researchers & educators

⚡ Limited Seats Available

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Dreams Over Degrees

AI is changing healthcare. Will you simply watch the future — or build it?