



LET'S CODE  
TOMORROW  
TOGETHER



  
**MILLION  
CODERS**

 **Acacia  
University**  
ARIZONA

**airtios** 

# Million Coders Breaking the Digital Divide



AI is the future, and it is predicted to create 97 million jobs by 2030. Embracing AI is unlocking the full potential of tomorrow's arrival in unprecedented ways.

The 'Million Coders' initiative by Airtics Education in collaboration with Acacia University, USA, aims to empower a million young people in 25 countries with essential AI skills and helps them learn to code, upskill coding, and re-skill for employment in the future. It provides a global platform to showcase the participants' proficiency in coding by encouraging them to turn their ideas into technological projects and engaging them in building a prosperous future.



# What is 'Million Coders' initiative? >>>>>

- ↓ Airtics Education created the 'Million Coders' initiative to equip a million young people with the skills needed to succeed in the 21st century.
- ↓ The initiative recognises the significance of technology in the global economy and aims to provide young people with the skills employers demand.
- ↓ It aims to provide Scholarship Program Certification from Acacia University - USA in Python programming for schools and educational institutions in 25-plus countries.
- ↓ Industry experts teach the course using a project-based learning model to provide learners with hands-on programming experience.
- ↓ The participants can turn their ideas into technological projects and engage in building a prosperous future.
- ↓ The best programmers will be selected and rewarded with monetary prizes.
- ↓ Special scholarships for selected students to learn about cutting-edge scientific programming.
- ↓ Participants and their institutions will be facilitated with a university certificate from Acacia University, USA.
- ↓ By providing access to these skills, the program aims to break down barriers to employment and provide opportunities for young people to succeed in the workforce.



# Acacia University Blockchain Certificate

Along with equipping a generation of knowledgeable, qualified, and future-ready generations, the initiative aims to invite educational institutions and professionals worldwide to architect the innovations of tomorrow through their student force.

There will be programming classes from experts, training workshops, and a project completion requirement as part of the program. The project combines data science, machine learning, computer vision, natural language processing, full stack development, etc., using a Python development environment.

The objective is to make a big difference and help achieve meaningful changes in the lives of young students and professionals who will acquire all the necessary skills and succeed in securing the best-paid jobs in future.





# An invitation to schools and professionals worldwide >>>>

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# Module Structure

## PYTHON BASICS

### MODULE 1: INTRODUCTION TO PYTHON PROGRAMMING

- Unit 1: Basics of Python
- Unit 2: Python Libraries

### FOR SCHOOLS

#### GROUP 1: INTERMEDIATE-LEVEL PROJECTS

##### PROJECT 1: HANDWRITTEN DIGIT RECOGNITION

- Project Introduction and Dataset Preparation
- Building and Training a Neural Network
- Model Evaluation and Fine-tuning
- Deploying the Handwritten Digit Recognition Application

##### PROJECT 2: TEXT-BASED ADVENTURE GAME

- Project Introduction and Game Design
- Implementing Game Mechanics
- Adding Game Events and Encounters
- Finalizing and Packaging the Game

##### PROJECT 3: PLANT DISEASE DETECTION

- Project Introduction and Dataset Preparation
- Data Preprocessing and Transfer Learning
- Model Training and Evaluation
- Deploying the Plant Disease Detection Application

### FOR PROFESSIONALS

#### GROUP 2: ADVANCED LEVEL PROJECTS

##### PROJECT 1: HEALTHCARE - PREDICTIVE MODELLING FOR PATIENT OUTCOMES

- Project Introduction and Dataset Collection
- Data Preprocessing and Feature Engineering
- Model Training and Evaluation
- Model Deployment and Final Report

##### PROJECT 2: MARKETING - CUSTOMER SEGMENTATION AND CAMPAIGN ANALYSIS

- Project Introduction and Data Collection
- Data Preprocessing and Feature Engineering
- Customer Segmentation and Campaign Analysis
- Model Deployment and Final Report

##### PROJECT 3: FINANCE & SALES - SALES FORECASTING AND RISK MANAGEMENT

- Project Introduction and Data Collection
- Data Preprocessing and Feature Engineer
- Sales Forecasting and Risk Management
- Model Deployment and Final Report

# How it works >>>>

- ↓ Free Python classes
- ↓ Classes in 2 levels
  1. Intermediate Level for students
  2. Advanced Level for professionals
- ↓ Recorded sessions
- ↓ Online competition every year
- ↓ Reward for the best project
- ↓ 20,000 dollars prize money

The Million Coders program offers free Python classes to students and professionals, and the classes are divided into two levels - intermediate and advanced levels.

- ↓ **The Intermediate Level is designed for students who are new to programming or have basic knowledge of Python.**
- ↓ **The Advanced Level is geared towards professionals who want to deepen their knowledge of Python.**

The classes are conducted through recorded sessions, which provides flexibility for students to learn at their own pace and at a time that is convenient for them. Participants can access the recordings and revisit them as needed.

Apart from the classes, there is an annual online competition that enables students to demonstrate their proficiency and knowledge of Python. The group with the best project is selected as the winner and receives the prize money.

With a prize pool of 20,000 dollars, the competition serves as an appealing opportunity for students and professionals seeking to test their abilities. Furthermore, all participants will be awarded an international university certification from Acacia University, USA.

Overall, this program is an excellent opportunity for students to learn or improve their Python programming skills. With free classes, a flexible schedule, and an annual competition with a substantial prize pool, it is an attractive and potentially rewarding program for anyone interested in Python.

# Who can enrol

## Educational Institutions

Academies/Colleges/Universities/Institutes  
Vocational schools/Training centres

## Enterprises and government entities

Organizations/Businesses/Firms/Non-profits  
Corporates

## Our Partners



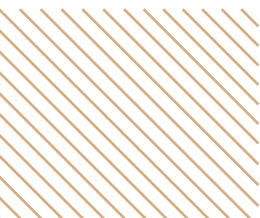
مقر المبرمجين  
coders (hq)


## Academic Partners










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