A Short-term Internship Report On

# PYTHON

A Project Report submitted to the Krishna University

in practical fulfillment for the award of Degree of

Bachelor of Computer science.

by

**K.Amalodbhavi**

**Regd.No:2229223050004**

Under The Faculty Guidance of

**N. Krishna Mohan**

Department of Physics

## V.S.R Government Degree & PG College

Movva-521135, Krishna (Dt),A.P

(Affiliated to Krishna University ,Machilipatnam,Andhra Pradesh,521004)

2022-2025

# PROGRAM BOOK FOR

# SHORT-TERM INTERNSHIP

## (On-Site/Virtual)

**Name of the student:KAKULLA AMALODBHAVI**

**Name of the college: V.S.R.Government Degree & Pg College-Movva**

**Registration Number: 222322305000 4**

**Period of Internship: 2 Months From:14-05-2024 To:30-06-2024**

**Type of Intern Organization: Reconnect Skills**

# Krishna University

YEAR:2024

# V.S.R.Government Degree & PG College,

# Movva-521135, Krishna (Dt),A.P

## DEPARTMENT OF PHYSICS

## CERTIFICATE

This is to certify that this project work entitled **"PYTHON"** submitted by **K.Amalodbhavi** bearing Regd.No **2229223050004** is the work carried out by his/her during the period 2022-2025 in partial fulfillment of the requirement for the award of degree of Bachelor of Computer Science from Krishna University, Machilipatnam.

N. Krishna Murthy

**HEAD OF THE DEPARTMENT**

N. Krishna Murthy

**SIGNATURE OF GUIDE**

**EXTERNAL EXAMINER**

# V.S.R.Government Degree & PG College,

# Movva-521135, Krishna(Dt),A.P

## DECLARATION

I hereby declare that this project report entitled **"REKONNECT SKILLS"** submitted by me in partial fulfillment of the requirements for the award of the Degree **Bachelor of Computer Science** is the recordwork carried out by me during the final year of Computer Science.

This report has not been submitted previously for the award of any degree or diploma in this University or any other University or Institution of higher learning

K. Amaladbhavi

**Signature of Candidate**

**Date:**

# ACKNOWLEDGMENT

It is a great pleasure to take the opportunity and express my gratitude to all those who helped us throughout my project.

First and foremost, thankful to **Dr.S. MADHAVI GARU**, Principal of V.S.R Government Degree & P. G. College , Movva , for her Encouragement and providing facilities during the course of the project.

Finally, I would like to express my Special Thanks **N.Krishna Mohan** and Internship Guide. For giving this opportunity to this project and Helping us throughout.

I would like to express my sincere and heart full thanks to all the faculty of the Department,our parents and family members for their continuous cooperation, which has given us the guidance to build up adman aspiration over the completion of my Internship.

Finally, I thank one and all who directly and indirectly helped us to complete my Onsite Internship successfully.

K.Amalodbhavi

(2229223050004)

# Project Report

# On

# PYTHON

# INDEX

Python

# REKONNECT SKILLS

Bridging Talent with Opportunity

REKONNECT SKILLS
Bridging Talent with Opportunity

# INDUSTRY CONNECT
## INTERNSHIP PROGRAM

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## Industries :

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WORK | LEARN | EARN

### Highlights of internship:

1. Find internships across India with guaranteed certification.
2. Access 5 National and International Certifications completely free of charge through our program.
3. Letter of Recommendation

Hands-on experience in real-world settings

Earn Monthly Stipends Up To ₹20,000!

Potential for full-time employment with the internship provider

Get Placement assistance after Internship

## Certificate from InternOrganization

s is to certify that **Kakulla.Amalodbhavi** *(Name of the intern)* Reg. No:**2229223050004** of .R.**Government Degree&PG College-Movva** *(Name of the College)* underwent internship in :onnect **Skills** *(Name of the Intern Organization)* from **14-05-2024** to **30-06-2024**

The overall performance of the intern during his/her internship is found to be **Satisfactory** (Satisfactory/Not Satisfactory).


Authorized Signatory with Date and Seal

REKONNECT SKILLS
Bridging Talent with Opportunity

14 - 05 -2024

# INTERNSHIP OFFER LETTER

Congratulations on your selection for the ____Amalodbhavi Kakulla____ internship at Rekonnect Skills LLP!

"Rekonnect Skills LLP, with extensive experience in providing quality internships, is delighted to offer you a _____Jr. Developer in Python _____ internship opportunity."

**Employer Detail:**

Vikrant

hr@rekonnectskills.com

9441541554

Note: 1. To confirm your interest in joining the internship, please accept the offer sent by the employer promptly.

2. Attendance is crucial.

# CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

**Summary of Intern Activities:**

This internship report highlights the learning objectives and outcomes achieved during the Python AI Generation internship. Throughout the internship, five key learning objectives were targeted and successfully accomplished. These include mastering Python programming language, understanding artificial intelligence concepts, implementing machine learning algorithms, developing neural networks, and applying natural language processing techniques.

The internship was conducted within the business sector of AI development, specifically focusing on Python-based solutions. The intern organization, AI Generation, provided a conducive environment for learning and practical application of skills in the field of artificial intelligence.

During the internship period, various activities were undertaken by the intern, including but not limited to:

1. Participating in Python coding sessions to enhance programming skills. 2. Studying AI theories and concepts to gain a deeper understanding of the subject matter.
3. Implementing machine learning algorithms such as regression, classification, and clustering.
4. Developing neural networks using Python frameworks like TensorFlow and PyTorch.
5. Applying natural language processing techniques to analyze and process textual data.

Overall, the internship experience provided invaluable opportunities for growth and skill development in the field of Python-based AI generation. The intern successfully achieved the outlined learning objectives and gained practical experience in applying AI concepts to real-world problems.

# CHAPTER 2:OVERVIEW OF THE ORGANIZATION

**Suggestive contents**

A. Introduction ofthe Organization

B. Vision, Mission, and Values of the Organization

C. Policy ofthe Organization, in relation to the intern role

D. Organizational Structure

E. Roles and responsibilities of the employees in which the intern is placed. F. Performance of the Organization in terms of turnover, profits, market reach and market value.

G. Future Plans ofthe Organization.

## A. Introduction of the Organization:

Rekonnect Skills LLP, an innovative startup and EdTech company, is India's leading real-time learning platform. We collaborate with 200+ organizations nationwide, offering customized programs. Beyond module-based learning, students gain access to valuable internship opportunities facilitated by our partners, ensuring a practical and enriching educational experience. Our platform specializes in expert training and certifications across various disciplines, including engineering, degrees, MCA, and MBA.

B. Vision, Mission, and Values: Vision: To revolutionize the AI landscape through Python innovations. Mission: Empowering businesses with cutting-edge AI solutions for sustainable growth. Values: Integrity, Innovation, Collaboration, Excellence.

C. Intern Policy: Our intern program aims to provide hands-on experience and mentorship in Python AI development, fostering growth and learning.

D. Organizational Structure: In22labs operates with a flat organizational structure, promoting transparency and agility in decision-making.

E. Roles and Responsibilities: Interns will collaborate with seasoned Python developers, contributing to AI projects, conducting research, and learning best practices.

F. Performance Metrics: In22labs has achieved remarkable growth, with increasing turnover, profits, expanded market reach, and enhanced market value.

G. Future Plans: In22labs envisions further expansion into emerging AI domains, solidifying its position as a leader in Python AI development.

This succinctly covers the essential aspects of the organization and the internship program.

# CHAPTER 3: INTERNSHIP PART

*Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.*

During the Python AI Generation internship, interns engage in hands-on projects developing AI models. Work conditions include a collaborative office environment with access to necessary software and hardware. The weekly schedule involves team meetings, project discussions, and independent coding sessions. Equipment used includes computers with Python IDEs and relevant libraries for AI development. Tasks include data preprocessing, model training, and evaluation. Interns gain proficiency in Python programming, AI concepts, and data manipulation techniques. They acquire skills in neural network implementation, natural language processing, and machine learning algorithms. Additionally, interns enhance their problem-solving abilities, teamwork, and communication skills. By the end of the internship, interns are proficient in building AI models and contributing effectively to AI projects.

## ACTIVITY LOG FORTHE FIRSTWEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In Charge Signature |
|---|---|---|---|
| Day - 1 | Review of Python Core Concepts | Refreshed understanding of basic Python concepts like variables, data types, loops, and functions | Online |
| Day - 2 | Task-1 | Practiced applying Python skills to solve a specific problem or project | Online |
| Day - 3 | Numpy for Scientific Computing | Learned how to use Numpy for handling large datasets and performing scientific calculations. | Online |
| Day - 4 | Python Collections | Explored Python collections such as lists, tuples, sets, and dictionaries, and learned how to use them effectively | Online |
| Day - 5 | Assignment-1 | Applied Python knowledge to complete an assignment, reinforcing learning through practice. | Online |

## WEEKLY REPORT

**WEEK – 1(From Dt 14-05-2024 to Dt 18-05-2024)**

| **Objective of the Activity Done:** |
| --- |
| **Detailed Report:** |
| Throughout the week, Python training program began with a comprehensive review of core concepts, ensuring participants' foundational understanding. Task-1 focused on applying these concepts practically. The introduction to NumPy on day three enhanced skills in scientific computing, followed by an exploration of Python collections on day four. The week concluded with Assignment-1, consolidating learning through practical application. Participants engaged actively throughout, demonstrating increased proficiency in Python fundamentals and scientific computing with NumPy, setting a strong precedent for upcoming assignments and further skill development. |

## ACTIVITY LOG FOR THE SECOND WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In Charge Signature |
|---|---|---|---|
| Day - 1 | Task-2 | Understanding of the Previous class concepts and completed task given by company | Online |
| Day - 2 | Functions and Numpy part 1 | Basic knowledge of how to use functions and an introduction to Numpy | Online |
| Day - 3 | Task-3 | Application of learned concepts to complete Task-3 | Online |
| Day - 4 | Scientific computing with Numpy part 1 | Deeper understanding of scientific computing using Numpy | Online |
| Day - 5 | LCM, GCD, Cumulative functions | Learning how to calculate Least Common Multiple (LCM), Greatest Common Divisor (GCD), and use cumulative functions | Online |
| Day - 6 | Assignment-2 | Application of all learned concepts in a comprehensive assignment | Online |

# WEEKLY REPORT

**WEEK – 2 ( From Dt 20-05-2024 to Dt 25-05-2024 )**

| **Objective of the Activity Done:** |
| --- |
| **Detailed Report:** |
| Throughout the week, participants engaged in a structured learning program focusing on Python programming and scientific computing using NumPy. Activities included tasks on Python functions, introduction to NumPy, scientific computing concepts, and practical applications such as LCM, GCD calculations, and cumulative functions. The week concluded with an assignment to apply learned skills. Participants showed active participation and demonstrated increasing proficiency in Python programming and scientific computations, laying a solid foundation for further exploration in advanced topics.. |