ARTIFICIAL INTELLIGENCE INTERNSHIP PROGRAM

level l

SkillNova

www.skillnovatech.in

WELCOME TO OUR INTERNSHIP PROGRAM

- Kickstart Your Artificial Intelligence Career
- Gain hands-on experience & build real-world projects
- Earn a valuable internship certificate

SKILL NOVA

ABOUT US

SKILLNOVA

is a vibrant and diverse community that brings
together individuals with similar objectives and ultimate goals.
Our main focus is on creating opportunities that span various
areas, including leadership development, learning, student
engagement, and fostering shared interests.

We believe in the power of leadership and its ability to drive
positive change. That's why we provide platforms and resources
for our community members to develop their leadership skills.
Through mentorship programs, workshops, and collaborative
projects, we empower individuals to take on leadership roles and
make a difference in their respective fields.

INSTRUCTIONS

UPDATE YOUR LINKEDIN PROFILES

FOR A WEB DEVELOPMENT INTERNSHIP, YOU WILL NEED TO

COMPLETE ANY THREE PROJECTS AT YOUR CONVENIENCE

FOR SUCCESSFUL COMPLETION OF THE INTERNSHIP.

MAINTAIN A SEPARATE GITHUB REPOSITORY

(NAME SKILLNOVA FOR ALL THE TASKS AND SHARE THE LINK

OF THE GITHUB REPO IN THE TASK SUBMISSION FORM .

(IT WILL BE GIVEN LATER THROUGH EMAIL).

YOU CAN REFER TO ONLINE RESOURCES SUCH AS GOOGLE SEARCH

AND READ TUTORIALS.

SKILL NOVA

SUBMISSION

A TASK SUBMISSION FORM will be shared later through email .
Till then please continue your task.
A video need to be created to showcase your work, demo of your effort .

The video can be hosted on LinkedIn for proof of your work and build credibility among your peers .
You can tag SkillNova in such post s.

Please add #SkillNova in each of your task video pos tings on LinkedIn, Additionally, you can al so add hashtags such as #internship #datascience. for more reach and visibility.

INTERNSHIP STRUCTURE

- Duration: 4 Weeks

- Mode: Online, Self-Paced

- Components: Weekly MCQs + Final Project

- Assessment: Complete all assignments & submit the projects

WEEKLY ASSIGNMENTS SCHEDULE

- Week 1: Introduction to AI, Python Basics.

- Week 2: Natural Language Processing (NLP).

- Week 3: Computer Vision, Image Recognition.

- Week 4: Recommendation Systems.

SKILL NOVA

WEEKLY PROJECTS SCHEDULE

- Week 1: Chatbot.

- Week 2: Image Recognition.

- Week 3: Sentiment Analysis.

- Week 4: Recommendation System.

FINAL PROJECT SUBMISSION

- Choose three project from the given options
- Implement concepts learned during the internship
- Submit the project before the deadline

PROJECT 1: CHATBOT

Tools:

- Programming Language: Python.
- Libraries: NLTK, TensorFlow, or ChatterBot.
- IDE: Jupyter Notebook, VS Code.

Materials:

1. Tutorials:
   - Chatbot with Python
   - NLTK Tutorial
2. Tasks:
   - Create a simple rule-based chatbot.
   - Use NLTK for text processing.

Bonus Feature:

- Train the chatbot using machine learning.

PROJECT 2: IMAGE RECOGNITION

Tools:

- Programming Language: Python.
- Libraries: TensorFlow, Keras, OpenCV.
- IDE: Jupyter Notebook, VS Code.

Materials:

1. Tutorials:
   - Image Recognition with TensorFlow
   - OpenCV Tutorial
2. Tasks:
   - Train a model to recognize objects in images.
   - Use a pre-trained model like MobileNet.

Bonus Feature:

- Deploy the model using Flask.

PROJECT 3: SENTIMENT ANALYSIS

Tools:

- Programming Language: Python.
- Libraries: NLTK, TextBlob, Scikit-learn.
- IDE: Jupyter Notebook, VS Code.

Materials:

1. Tutorials:
   - Sentiment Analysis with Python
   - TextBlob Tutorial
2. Tasks:
   - Analyze sentiment of text data (e.g., movie reviews).
   - Use TextBlob or Scikit-learn for sentiment classification.

Bonus Feature:

- Visualize sentiment trends using Matplotlib.

PROJECT 4: RECOMMENDATION SYSTEM

Tools:

- Programming Language: Python.
- Libraries: Pandas, Scikit-learn, Surprise.
- IDE: Jupyter Notebook, VS Code.

Materials:

1. Tutorials:
   - Recommendation Systems with Python
   - Surprise Library Tutorial
2. Tasks:
   - Build a movie recommendation system using collaborative filtering.
   - Use the MovieLens dataset.

Bonus Feature:

- Add a user interface using Flask.

CERTIFICATE & COMPLETION

- Complete all assignments & submit your final project.
- Receive your internship certificate.
- Enhance your resume & boost your career.

CONTACT & SUPPORT

- Email: contact.skillnova@gmail.com 📩
- Website: skillnovatech.in 🌐
- Follow us on Social Media 📱

SKILL NOVA