





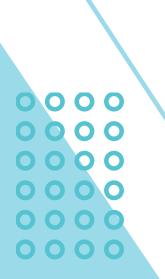


ARTIFICIAL INTELLIGENCE INTERNSHIP PROGRAM

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SkillNova

www.skillnovatech.in

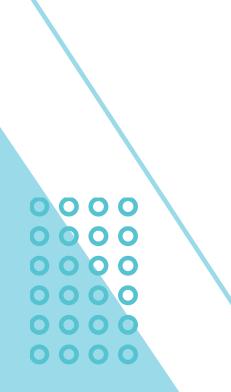








- Kickstart Your Artificial Intelligence
 Career
- Gain hands-on experience & build realworld projects
- Earn a valuable internship certificate





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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.





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 also 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









- Week I: Introduction to AI, Python Basics.
- Week 2: Natural Language Processing (NLP).
- Week 3: Computer Vision, Image Recognition.
- Week 4: Recommendation Systems.

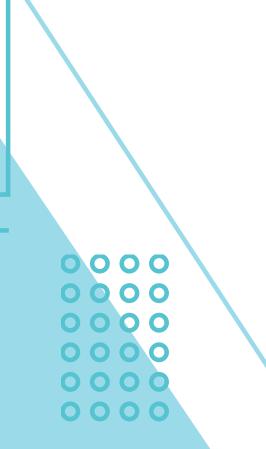








- Week I: Chatbot.
- Week 2: Image Recognition.
- Week 3: Sentiment Analysis.
- Week 4: Recommendation System.







FINAL PROJECT SUBMISSION

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







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PROJECT 1: CHATBOT



Tools:

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

Materials:

- I. 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.







Tools:

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

Materials:

- I. Tutorials:
 - Image Recognition with TensorFlow
 - OpenCV Tutorial
- 2. Tasks:

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- Train a model to recognize objects in images.
- Use a pre-trained model like MobileNet.

Bonus Feature:

• Deploy the model using Flask.





Tools:

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

Materials:

- I. Tutorials:
 - Sentiment Analysis with Python
 - TextBlob Tutorial
- 2. Tasks:

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- Analyze sentiment of text data (e.g., movie reviews).
- Use TextBlob or Scikit-learn for sentiment classification.

Bonus Feature:

• Visualize sentiment trends using Matplotlib.





Tools:

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

Materials:

- I. 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.











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