

# Sushobhan Haldar

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## SKILLS

- **Languages:** Python, C++, JavaScript, C, Java, Swift,
- **Frameworks:** Tensorflow, Pytorch, HTML and CSS
- **Tools/Platforms:** Blender, Unity
- **Soft Skills:** Creative, Time Management, Problem Solving, Adaptability

## EXPERIENCE

- **Programming**  
Developed and optimized scripts using Python to make Machine Learning and Deep Learning models.
- **Robotics & Automation**  
Built and programmed robotic system using micro controller which solves several real-life problems.
- **3D Modelling & Video Editing**  
Created multiple detailed visually captivating 3D projects and also have experience of video editing using multiple software.

## PROJECTS

- **Transformer** 2025  
A transformer model built from scratch and trained on internet text corpus, finetuned on custom dataset.  
**Tech:** Python, Pytorch
- **Handwritten Digits Recognition** 2024  
A feed forward neural network model trained on handwritten digits of MNIST dataset.  
**Tech:** Python, Tensorflow
- **MultiLabel Classification** 2024  
A classification of tags like sentiment analysis using python and stackoverflow tags using LSTM and RNN.  
**Tech:** Python, Tensorflow
- **Colorize an Image** 2024  
A model that uses pretrained weights to colorize a grayscale image to a colour image.  
**Tech:** Python
- **Object Recognition** 2024  
A convolution neural network trained on custom dataset to recognize image.  
**Tech:** Python
- **Forest Scene** 2024  
A stormy forest environment animation video created in Blender.  
**Tech:** Blender
- **Quadruped** 2022  
A four-legged robot built on Arduino nano, which is controlled using Bluetooth by mobile phone.  
**Tech:** Arduino IDE

## CERTIFICATES

- Basics of Python & Fundamentals of Machine Learning from Lovely Professional University 2024
- C Programming from QSpider 2022
- An introduction to cyber security from Academor 2022

## EDUCATION

- **Lovely Professional University** Punjab, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 7.61* Since August 2022
- **K.E. Carmel School** Amtala, West Bengal  
*Intermediate; Percentage: 86%* April 2020 - March 2022  
*Matriculation; Percentage: 90%* April 2018 - March 2020