



# Manpreet Singh

## Skills Summary

Data Structures  
Machine Learning  
Deep Learning  
Web Development  
Java  
Python

## Educational History

### Guru Harkrishan Public School

2017|12th class

CBSE: 78%

### Guru Tegh Bahadur Institute of Technology

2017 - 2021, Bachelor of Technology

Branch: ECE

Current CGPA: 8.0

## Work Experience

### DATA SCIENCE INTERN

United Sikh Organization (US)

- Designed a mathematical model to learn complex features for NLP task.
- Implemented knowledge graph based algorithm in Python with 92% accuracy.

### DATA SCIENCE INTERN

Li2-Technologies

- Designed and developed production based analytical system with Pytorch.
- Interpreted 20+ complex datasets using machine learning algorithms.

### Machine Learning Intern

Alpha AI

- Optimized level-1 AI using Python and SQL.
- Lead a team and achieved 92% accuracy on legal case summarization.

### WEB DEVELOPER INTERN

India Metrological Department

- Scraped information from government websites.
- Lead a team and build IMD website from scratch.
- Designed backend with SQL support.

## Projects

### AI in Medical

<https://arcane-garden-82331.herokuapp.com/>

- OPEN SOURCE initiative for solving medical problems efficiently with AI
- This project support
  - Brain tumor segmentation
  - Pneumonia classification
  - Risk prediction

### Tindog

<https://manpreet2000.github.io/TinDog/>

- Responsive webpage designed with HTML and CSS.
- Implemented almost every CSS property.

### Distracted Driver Detection

- Detects the activity of the driver while driving a vehicle.
- This project support
  - Web-based API calls
  - A camera that detects driver distraction and updates the website
  - Notify the driver's registered contact

## Achievements

### Research Paper

- Published research paper in IEEE named, "DashNet: Optimizing Segmentation"
- Developed a new and efficient architecture for medical segmentation tasks.

### Tech Talk

- Been a front stage speaker at "3-Day machine learning" workshop organized by TSG-GTBIT.

### Freelancing

- Earn approximately 17 thousand rupees per month.
- Develop end to end Web and Machine learning based projects.



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