

DEBANJAN GANGULY

30TH MARCH 1998, INDIA

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A B.Tech Final Year student, seeking to apply my skills and knowledge in the field of Machine Learning and Deep Learning as an intern in your company and learn alongside.

TECHNICAL SKILLS

- **Programming Languages:**

C, Java, Python, C++, Prolog.

- **Frameworks/ Libraries:**

TensorFlow, Keras, Scikit-Learn,
OpenCV, Numpy, pandas, matplotlib

- **Proficient in:**

Machine Learning Algorithms:

Regression, Artificial Neural Network,
K-nn, K-Means, SVM, Decision Trees.

Deep Learning Algorithms:

Convolutional Neural Networks

- **Subjects of Interest:**

Digital Image Processing

Probability

Statistics

Linear Algebra

- **Additional Skills:**

Implemented a pre-trained model named

Inception of Google

Good understanding of PCA, LDA,
(Feature Extraction Techniques)

Comfortable with Linux based OS

PROJECTS

- **Handwritten Character Recognition:**

Model Used: SVM

Framework: Scikit-Learn, Classes: 62(10 + 26 + 26), Accuracy: 85%

Link: https://github.com/debanjan97/character_recognition_SVM/tree/master/dope

- **Live Traffic Management System using YOLOv2 and TensorFlow (in Development):**

B.Tech Final Year Project

Framework Used: Tensorflow, Darknet, YOLO(You look only once), cv2

Things Already Done: Object Classification, Localization, Detection (Objects are vehicles on roads)

Vehicles on the road are counted through the video footage from traffic cameras and congestion is decided on the basis of that count

- **Created a bot using Genetic Algorithm (NEAT) for the Snake Game**

Pet Project

Framework Used: python-neat, curses

Used NEAT to train an Neural Network to play the game of Snake.

The game is implemented through curses in Python

EDUCATION

Qualification/Degree	Duration	School/College	University/ Board	CGPA/Percentage
B. Tech 8 th Semester (Currently Pursuing)	2015 - Present	Heritage Institute Of Technology	MAKAUT	Avg. GPA : 7.8
Class 12 th	2015	KendriyaVidyalaya No 2 Delhi Cantt.	CBSE	Percentage Acquired: 96.0
Class 10 th	2013	KendriyaVidyalaya No 2 Delhi Cantt.	CBSE	CGPA : 10

ADDITIONAL ACHIEVEMENTS

- Got selected for “*Inspire Internship Program*” conducted of Department of Science and Technology, Government of India held at Jawaharlal Nehru University, 2014.
- Participated in *Smart India Hackathon 2018*
- Got a scholarship from KVS (Kendriya Vidyalaya Sangathan) for scoring 10 CGPA in Xth standard in 2013
- Received scholarship from KVS for scoring above 95% in class XIIth board exams in 2015

CO-CURRICULAR ACTIVITIES

- Been a part of Event Management Team as Dakshh 2k17, Technical Fest of Heritage Institute of Technology as Head Co-ordinator for “*Inter College Coding Competition*”
- Been a part of Event Management Team as Eclectia 2k17, Cultural Fest of Heritage Institute of Technology as an Event Manager
- Participated in “*Technovation Coding Competition*”, organized by Dept of IT, HITK