

PRATIK TIBREWAL

PRE-FINAL YEAR UNDERGRADUATE STUDENT

B-219, PATEL Hall Of Residence, IIT Kharagpur, Pincode-721302

☎ (+91) 9007529750 | ✉ tibrewalpratik17@iitkgp.ac.in | 📱 pratik-tibrewal-19bb54150/

“Be stubborn about your goals but flexible about your methods.”

Education

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND ELECTRICAL COMMUNICATIONS ENGINEERING

- Current CGPA-9.03/10.0

West Bengal, India

May 2016-Present

DON BOSCO SCHOOL

SENIOR SECONDARY EDUCATION

- Secured 1st Position in school with ISC Board Aggregate-97.50%

West Bengal, India

2014-2016

M.C.KEJRIWAL VIDYAPEETH

SECONDARY EDUCATION

- ICSE Board Aggregate-96.60%

West Bengal, India

2004-2014

Experience

Kharagpur RoboSoccer Students' Group

ARTIFICIAL INTELLIGENCE HUMANOID TEAM MEMBER

- Working on Multi-Agent Autonomous Coordinated Soccer Playing Humanoid Bots using Artificial Intelligence.
- Improved the Role Assignment by implementing a heuristic function for specific role weights in Hungarian Algorithm.
- Also worked on Delaunay Triangulation, obstacle avoidance, higher level strategy design.

Feb, 2017 - PRESENT

Recommender System using Emotion Detection

NATURAL LANGUAGE PROCESSING

- Recently started working on building a recommender system using emotion detection on user's reviews and feedbacks.
- Working upon this paper: <http://aclweb.org/anthology/D17-1322>

Jan, 2019 - PRESENT

Skills

- C, C++, Java, Python, Octave, Linux, Git, Matlab, Deep Learning Frameworks : Tensorflow, Pytorch and Mxnet, OpenCV.
- Fields of Interest : Algorithms, Artificial Intelligence, Data Analytics and applied Machine Learning.

Honors & Awards

2nd Place in Goalie Challenge in Robocup 2018

THEME- ARTIFICIAL INTELLIGENCE AND ROBOTICS

- Attended the RoboCup International 2018 Montreal Competition and Symposium.
- My team stood 2nd in the Goalie Challenge of the 3D humanoid simulation league.
- Made decisions for a soccer goalkeeper to defend a penalty shot based on ball's velocity, direction and goalie's speed.

Montreal, Canada

June, 2018

1st Place in MUSE HACKATHON

THEME-DATA ANALYTICS

- Created an Inventory management for in and out stock analysis of general stores.
- Also worked on better techniques of data capturing, data cleaning and data analysis.
- <https://www.hackerearth.com/challenges/hackathon/muse-bring-future-to-talk-to-legacy/>

Bangalore, India

Oct. 2017

Campus Runner-Up in TechSpark 2017

THEME-CASE STUDY

- Techspark is an Inter-IIT Technical Case Study Competition between the top six IITs. My team proposed a solution for automation in a factory to reduce manual labor & fatigue and also to track goods carrying vehicle in real time and track human movement in the factory premises.

Kharagpur, India

Nov. 2017

Relevant Courses

- Algorithms, Machine Learning, Deep Learning, Probability and Stochastic Processes, Operations Research, Matrix Algebra.