

Yash Bhartia

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<https://YashBhartia00.github.io>

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Projects

Pokebattle

August 2020

<https://github.com/YashBhartia00/PokeBattle>

- An agent based on DQN network to play and win games against a fixed algorithm.

Rainbow RL Implementation

December 2020

https://github.com/YashBhartia00/RL_Atari

- Deep Q network based agent to play Atari games

Reddit Flair Detection

August 2020

https://github.com/YashBhartia00/Reddit_Flair

- LSTM+Attention model using PyTorch and torchtext to classify Reddit posts into its appropriate flairs

Quantum Chess

February 2021

<https://github.com/SEDScelestiaBPGC/quantum-chess>

- Open source Quantum Chess implementation, made with Qiskit, hichesslib, and Qt

Procedural Dungeon Rooms

April 2020

<https://github.com/YashBhartia00/Procedural-Dungeon-Rooms>

- Reusable asset to generate dungeon rooms procedurally in Unity

Publications

LRG at SemEval-2021 Task 4: Improving Reading Comprehension with Abstract Words using Augmentation, Linguistic Features and Voting

Abheesht Sharma*, Harshit Pandey*, Gunjan Chhablani*, Yash Bhartia*, Tirtharaj Dash

2021

SemEval

[Arxiv](#), [Code](#)

NLRG at SemEval-2021 Task 5: Toxic Spans Detection Leveraging BERT-based Token Classification and Span Prediction Techniques

Gunjan Chhablani*, Yash Bhartia*, Abheesht Sharma*, Harshit Pandey*, Shan Suthaharan

2021

SemEval

[Arxiv](#), [Code](#)

Education

Birla Institute of Technology and Science, Pilani

B.E. in Computer Science

August 2019 - Ongoing

Sancoale, Goa

Programming Languages

- Python, C#/C++,
- Java, SQL, \LaTeX



Technologies

- PyTorch, Scikit, Numpy, Pandas, Git/Github, Unity, Vim, Blender, Linux

Committees

- SAIDL, Core Member
- LRG, Core Member
- DevSoc, Core Member
- Abhigyaan, Batch head

Coursework

- Object Oriented Programming;
- Linguistics;
- Data Structure and Algorithms;
- Database Management Systems;
- Probability and Statistics;
- Computer Programming

Teaching Experience

- Introduction to Machine Learning and Deep learning, Instructor
- Introduction to Game Development and XR, Mentor
- AR Workshop by Elixir Systems, Mentor