

Tanmay Ghode

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EDUCATION

Program	Institution	Year of completion
M Tech (CSE)	Indian Institute of Technology Madras, Chennai	2020
B Tech (CSE)	SGGSIE&T, Nanded	2017

SCHOLASTIC ACHIEVEMENTS

- Middle School Scholarship 99.9 percentile (top 50 in State)
- Second topper in SSC from town.
- AIR 899 in GATE 2017 (First topper from College).
- 6 Star rating in Hackerrank problem solving.

SUBJECTS

- Machine Learning, Deep Learning (Vision and NLP), Reinforcement Learning.
- Algorithms and Data Structure
- Cryptography

SKILLS

- C,C++,Python,MATLAB,HTML,CSS,JavaScript.
- Tensorflow, Keras, Pytorch and other Machine Learning Python Libraries.

PROJECTS

- Implemented Tic-tac-to in Multi Arm Bandits using Min-Max adversary (2017-2018)
 - Used various Bandit Algorithms like Greedy, UCB and Thompson Sampling.
 - Adversarial play was observed and best technique(TS) was record and Compared
- Implementation of Travelling Sales man using Artificial Intelligence Methods (2017-2018)
 - Travelling sales man being NP complete problem is hard.
 - Randomized algorithmic techniques like
- Attendance using PCA method (2017-2018)

- It can be time consuming to take attendance for teachers.
- I take photos of various individual and done Principal Component Analysis.
- This significantly reduce the computing time and space required.
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- Chexpert – Predicting anomalies using chest X-rays (2020-)
- Chexpert is an open competition by Stanford Machine Learning Group.
- Worked on it to train Machine Learning model and perform GradCAM.

PROFESSIONAL EXPERIENCE

- Teaching Assistant at IIT-Madras (2017-2019)
 - Worked as a Teaching assistant for programming.
 - Taught students from Computer Science C++.
 - Algorithms and DataStructure.
- AI Engineer at DataNudge AI (2020)
 - CheXpert is a large dataset of chest X-rays and competition by Stanford ML group..
 - We use GradCAM for the visualization part of the project.
 - I was involved with the model training part of the project and tried DenseNet121 architecture for the same.
 - We got AUC of roughly 0.86 which we are trying to improve by stacking various architectures.
- Subject Matter Expert(AI) WhitehatJR (2020-21)
 - Conducted and designed Silicon Valley Contest.
 - Selected students get to interact with top CEOs of Silicon Valley.
 - Designed advanced curriculum for students in AI.

POSITIONS OF RESPONSIBILITY

- Volunteer- Sponsorship Committee (2013-2014)
 - I was responsible for collaborating with sponsorships for PRAGYAA
 - PRAGYAA is national level Technical Event.
- Main Co-ordinator-SANKALP (2014-2015)
 - SANKALP is a social organization of our College.
 - I was responsible for conduction various events in college and city.
- TCS Industrial Collaboration Team. (2015-2016)
 - I was a campus ambassador for TCS and conducted events related with organization.
 - We conducted placement preparation for students.

PUBLICATIONS

- Classification using Clustering methods (ongoing) (2017-)
- Paper is under development .
- I tried Clustering techniques like k-mean and EM algorithm(GMM) for Classification.

CO-CURRICULAR ACTIVITIES

- Football
 - Represented college for 4 years and won various awards .
- Chess
 - Two times district Champion and rated 1350+.

- Film Making
 - Highly interested in documentary Film Making.

OBJECTIVE

- I am interested in all Artificial Intelligence domain. I am extremely passionate about learning and exploring full potential of this technology. I would like to work on research level projects.