

Tanmaya Shekhar Dabral

<https://many-facedgod.github.io/>

Email : tanmayadabral@gmail.com

GitHub : github.com/many-facedgod

EDUCATION

- **Birla Institute of Technology and Science** Hyderabad, India
B.E.(Hons) in Computer Science; GPA: 9.84/10 2014 – 2018(expected)
- **City Montessori Inter College, CISCE** Lucknow, India
Senior Secondary Education; 98.0% 2014
- **City Montessori Inter College, CISCE** Lucknow, India
Secondary Education; 95.43% 2012

SKILLS

- **Languages:** C, C++, Java, Python, MIPS, SQL, CUDA
- **Frameworks:** Theano, PyTorch, OpenCV, OpenGL

RESEARCH AND DEVELOPEMENT EXPERIENCE

- **Multimedia Lab, Nanyang Technological University** Singapore
Research Intern May 2017 - July 2017
 - As a part of the NTU India Connect Program, worked under Prof. Chng Eng Sion to develop a GPU version of the non-segmental DTW algorithm for audio search
 - Also worked on system to generate a robust representative query from multiple queries for a word.
- **Indira Gandhi Centre for Atomic Research** Kalpakkam, India
Research Intern April 2016 - July 2016
 - Designed a novel variant of the Particle Swarm Optimization algorithm for ontology alignment.
 - The designed system performed better than the previously published attempt to do so. (See publications)

Codes and other coursework available on GitHub.

PUBLICATIONS

- Tanmaya S. Dabral, Amala S. Deshmukh, Aruna Malapati, 2017. A Multi Scale Convolutional Neural Network Architecture For Music Auto-Tagging, The 7th International Conference on Soft Computing for Problem Solving (accepted)
- Tanmaya Shekhar Dabral, N. Madurai Meenachi, Vidya Sundararajan, M. Sai Baba. A Variant of the Particle Swarm Optimization for Ontology Alignment, Proceedings of the 10th National Conference on Recent Advances in Information Technology, 2016

TEACHING

- **Birla Institute of Technology and Science, Pilani, Hyderabad Campus** Hyderabad, India
Discrete Structures in Computer Science (CSF222), Teaching Assistant Oct 2017 - Dec 2017
 - Designed problems for multiple coding exams and helped in conducting them.

AWARDS AND CERTIFICATES

- **Merit Scholarship, BITS Hyderabad:** Received the scholarship for every semester till date. Top 3% get it.
- **Scholarship for Higher Education under the INSPIRE program:** Qualified for the scholarship by the Ministry of Science & Technology, Government of India, by being in the top 1% of the School Board.
- **National Talent Search Scholarship:** Has an acceptance rate of under 1%.
- **GRE®(Aug 2017):** Q: 170, V: 169, AWA: 4.0
- **TOEFL®(Sept 2017):** Reading: 30, Writing: 30, Listening: 30, Speaking: 28

EXTRA-CURRICULARS

- **SHADES, the Fine Arts Club of BPHC:** Senior Member(2014 - Present)
- **Department of Arts & Deco:** Member(2015 - Present)
- **Others:** Creative writing and blogging: www.polyartfactory.com