

Udit Gulati

Education

Una, HP, 2016–present **B.Tech, Computer Science**, *Indian Institute of Information Technology*, Una, Himachal Pradesh, India, CGPA - 8.14/10.

Rohtak, Haryana **Senior Secondary, CBSE**, *D.A.V. Centenary Public School*, Rohtak, Haryana, India, 94.6/100.

Projects

2048-Bot A 2048 game bot that plays the game using depth limited expextiMax search algorithm and some custom heuristics. The bot is written in C++ and the GUI is written in Python using the PyGame module.

BingBot A chatbot that talks sarcastically and is trained with reddit comments. Implemented using TensorFlow based on the seq2seq model with certain rules integrated. The project is currently in works.

Open-Source Contributions Worked on **ListenBrainz** project of **MetaBrainz** Organization. Fixed issues and wrote unit tests. Pull requests for the same can be found **here**.

Technical Skills

Working Knowledge Python, C, C++, JavaScript, \LaTeX

Frameworks and Tools Flask, TensorFlow, Keras, Git, GNU/Linux

Achievements

ACM-ICPC 2018 Member of team RootNodes which was ranked 25th out of 168 teams in the Kolkata Regional of the contest. More than 3000 teams applied for the online round.

- Competitive Programming**
- **Codeforces**: Highest Rating: 1886[Expert]. Ranked 3rd in India (42nd globally) in the Educational Round 35 [Div 2].
 - **CodeChef**: Highest Rating: 2272[6 stars]. Ranked in top 20 Indians in September 2017, October 2017 and December 2017 Long Challenge. Ranked 1st in top challenge problem solvers (Oct 2017 Long Challenge) in India (6th globally).
 - **Topcoder**: Highest rating: 1310[Div 1].
 - **SPOJ**: Ranked 1103 globally with 70 problems solved.

Co-Curricular

GLUG-NITH Organized **Software Freedom Day** event involving introduction of more than 100 freshmen to the world of Open Source followed by Linux installation fest. Organized various other events promoting open source software and culture.

CSEC-NITH Hosted 10th and 12th iteration of CSEC's monthly programming contest **Heuristics** and 1st iteration of semi-annually programming contest **Cypher**. Conducted regular weekly programming meets as part of the departmental Computer Science society at NITH.

Team .EXE Hosted 6th iteration of programming contest **Game of Codes** and **Code Golf** event during the annual technical fest **NIMBUS 2k18** as part of the departmental Computer Science team at NITH.