

EDUCATION

- **Indian Institute of Information Technology, Una** Una, HP, India
Bachelor of Technology in Computer Science, CGPA: 8.14 / 10.0 *Aug. 2016 – May 2020*
- **D.A.V. Centenary Public School, Rohtak** Haryana, India
Higher Secondary School (94.6 %)

EXPERIENCE

- **Intugine Technologies** Bangalore, India
Machine Learning Intern (remote) *Aug. 2018 - Present*
 - Worked on real-time GPS data to build a deep learning platform to predict ETA of freight trucks on Indian highways where Google maps fails badly. This ETA will be used by clients to manage tariffs and make business decisions.
 - Responsible for data analysis, data visualizations, deployment and testing of deep learning models.

SKILLS

- **Programming Languages:** C, C++, Python, JavaScript
- **Frameworks and Tools:** Flask, Keras, Git, GNU/Linux

PROJECTS

- **2048 Bot:** A 2048 game bot that plays the game using depth limited expextiMax search algorithm and some custom heuristics. Implemented the bot in C++ and the GUI in Python using PyGame and connected them using self-defined protocols.
- **IntraVNC:** An implementation of VNC server and client that works over local network. Implemented the RFB protocol and different types of encodings such as RAW, CopyRect, Hextile. Also implemented end to end encryption.
- **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**.

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 - uditgulati0:** Highest Rating: 1886[Expert]. Ranked 3rd in India (42nd globally) in the Educational Round 35 [Div 2].
 - **CodeChef - uditgulati0:** Highest Rating: 2272[6 stars]. Ranked in top 20 Indians in Sept. 2017, Oct. 2017 and Dec. 2017 Long Challenge. Ranked 1st in top challenge problem solvers (Oct. 2017 Long Challenge) in India (6th globally).
 - **Topcoder - uditgulati0:** Highest rating: 1310[Div 1].
 - **SPOJ - uditgulati0:** 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.