



Anant Shankhdhar

Roll No.:190101011

B.Tech - Computer Science and Engineering

Indian Institute Of Technology, Guwahati

+91-9599624291

anant.shankhdhar@iitg.ac.in

anantshankhdhar0808@gmail.com

github.com/AnantShankhdhar

linkedin.com/in/AnantShankhdhar

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Guwahati	9.19 (Current)	2019-Present
Senior Secondary	CBSE Board	96.0%	2019
Secondary	CBSE Board	10.0	2017

EXPERIENCE

- University of Utah - Research Intern** May 2021 - Present
 - Working on developing Natural Language Inference systems on semi-structured data
 - Worked on an efficient method to automatically translate semi-structured data such as wikipedia info tables to remove language as a barrier for access to information
 - Researched on multilingual Natural Language Inferencing using semi-structured data as the premise

PROJECTS

- Klang.ai - Voice Analytics Toolkit** Feb 2021 - March 2021
Personal Project [Github](#)
 - Built a **deep learning** based voice analytics toolkit for English Language which can perform sentiment analysis, NER, keyword extraction, emotion detection and speech similarity from audio files and live audio
 - Finetuned **Wav2vec2** and **DeepSpeech** ASR models on Common Voice dataset
 - Used pretrained **DistilBERT** model for developing text analysis modules
 - Built highly reusable modules, and command line interfaces for the toolkit
- AI Rap Lyric Generator** July 2021
Hugging Face FLAX/JAX Community Week [Hugging Face](#)
 - Created a bot that generates Rap Songs based on the starting lyrics, theme of the song or the artist name.
 - Made a dataset by scraping over 10000 Rap Songs from Genius.com
 - Finetuned **GPT2** model using FLAX framework over **Google Cloud TPU-VM** provided by Hugging Face.
 - Deployed the bot as a web app on Hugging Face Spaces using the Streamlit library
- Codeforces Crawler** Dec 2020
Coding Club IITG Project [Github](#)
 - Developed a portal for codeforces users that recommends problems, virtual contests and shows user performance statistics
 - Used **Django** framework, Codeforces API along with Javascript for creating an interactive platform
 - The portal is currently deployed as a website
- Flipkart Category Prediction** April 2021
Personal Project [Github](#)
 - Developed a system for classifying a product into product categories, based upon product description provided by the seller
 - Developed a dataset using **BeautifulSoup** for data Scrapping
 - Finetuned the **BERT** model using **PyTorch** for categorizing products into 28 classes, obtaining accuracy of 97.4%

TECHNICAL SKILLS

- Programming Languages:** Python, C/C++
- Web Technologies:** HTML, CSS, Django*, JavaScript*
- Miscellaneous:** MySQL, Git, Keras*, Tensorflow*, Transformers*
- Operating Systems:** Windows, Linux* * Elementary proficiency

ACHIEVEMENTS

- JEE Advanced:** Secured All India Rank 565 among 0.16 million candidates appearing for the test 2019
- JEE Main:** Secured All India Rank 515 among 0.94 million candidates appearing for the test 2019
- KVPY-SX:** Secured All India Rank 177 and obtained the national research fellowship scholarship 2018
- KVPY-SA:** Secured All India Rank 130 and obtained the national research fellowship scholarship 2017
- NTSE:** Awarded the national level scholarship 2016

KEY COURSES TAKEN

- Design and Analysis of Algorithms
- Data Structures and Algorithms (Theory + Lab)
- Database Management Systems (Theory + Lab)
- Computer Architecture and Organization
- Discrete Mathematics
- Probability Theory and Random Processes
- Elementary Number Theory and Algebra
- Formal Languages, Automata Theory and Computation

POSITIONS OF RESPONSIBILITY AND EXTRACURRICULARS

- Technical Executive, CSEA:** Responsible for organising CSEA talks, projects and events 2021-Present
- Technical Manager, CSEA:** Organised coding contests, lectures and talks for the IITG community 2020-2021
- Core Team Member, IITG.AI:** Member of the AI community of IITG 2020-Present
- Online Team, Technothon:** Developed an online mystery room game as part of Technothon main event 2020