

ANIRUDH NANDURI

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🔗 Nanirudh

🌐 nanirudh.github.io

EDUCATION

IIT Kanpur

M.Tech. in Computer Science & Engineering

📅 Aug 2021-May 2023(Expected)

CPI/%: 9.0/10

NIT Warangal

B.Tech. in Computer Science & Engineering

📅 Aug 2016 – May 2020

CPI/%: 8.34/10

Excel Junior College

Intermediate Education, Telangana Board

📅 June 2014 – Aug 2016

CPI/%: 98.8/100

TECHNICAL SKILLS

• Programming Languages:

C C++ JAVA Python SQL

• Libraries/Tools:

Git Pandas Numpy Pytorch-Lightning
Scrapy Docker Linux Machine Learning

• Cloud Platforms:

Amazon Web Services (AWS)

• Databases:

MySQL

RELEVANT COURSES

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Introduction to Machine Learning
- Information Retrieval

ACHIEVEMENTS

- Secured **All India Rank 164** in GATE CS 2021, about 1.1 lakh candidates appeared for the examination.
- Secured **All India Rank 1413** in JEE Mains 2016, about 12 lakh candidates appeared for the examination.
- Internship for three months at **VISA** and received PPO in 2019.

EXPERIENCE

Salesforce

Associate Member of Technical Staff

📅 June 2020-July 2021

📍 Hyderabad

- Worked on developing static container scanning microservice application using **Spring Boot** and **AWS**. Detected static security vulnerabilities in software artifacts using open source tools.
- Developed scheduling and reporting features of the **static container scanning application** running on a Kubernetes cluster.
- Added unit tests and participated team-level bi-weekly deployment and patching activities.

VISA

Software Engineer Intern

📅 May 2019-July 2019

📍 Bangalore

- Developed an application to **validate servers** after patching. Provided a user interface to configure the validation using http, ssh and shell commands.
- Integrated the application with the internal tools of VISA.

PROJECTS

Representation Learning using Single cell Multiomics datasets

(MTech. Thesis) Guide: Prof. Hamim Zafar (May'22 - Present)

- Implemented Disentangled Multimodal VAE (DMVAE) and Total Variational Inference framework (TotalVI) to generate private latent representation of genes and protein on CITE seq dataset.
- Benchmarked the model and obtained **16% performance improvement** on ARI metric of cell-type clustering compared to SOTA models.

Simple File System, Self Project

(June'22 - July'22)

- Developed a simple UNIX-like file system in user space which supports file management and directory management (create, delete, copy data).
- Provided a command line interface to enter commands and manage the file system.

Document Retrieval Engine of English Corpora

(CS657) Guide: Prof. Arnab Bhattacharya (Feb'22 - March'22)

- Implemented Simple **Boolean**, **TF-IDF** and **BM25** based information retrieval system in python
- Retrieved **top 20** relevant documents to a query from 8634 document corpus using the IR systems.
- Evaluated the IR systems on random queries and calculated the **Mean Average Precision(MAP)** metric.

POSITIONS OF RESPONSIBILITY

- **Teaching Assistant:** Fundamentals of Computing and head TA of Data Structures and Algorithms (Aug'21-Present)