

Anand, Gujrat  
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# Aditya Agrawal

Pre-Final Year Student

Linkedin  
Blog  
Codechef  
GitHub

## EDUCATION

**Bachelor of Technology - Computer Science and Engineering,**  
Indian Institute of Information Technology, Raichur  
CGPA (Current): 8.76/10.00

July 2019 — June 2023

XII, CBSE, Grades: 85%  
X, CBSE, CGPA: 9.0/10

2018 — 2019  
2016 — 2017

## PROJECTS

**TNP Portal**, ExpressJS, Postgres, Redis, NextJS, Material UI

Project | Gitlab

- **NextJS** based front end with material design
- **Express** based backend with **Postgres** as primary database
- **Redis** for session management (token based), **Redis pub/sub** for automatic profile expiry
- **Rate limiting**(IP based) and **Security headers**(helmet.js) to prevent abuse

**diploy**, Golang, Cobra CLI

Github

- Linux server deployment management tool
- Manage deployments using **Webhook** or **CLI**
- CLI made using **Cobra**
- **Go routine** manages the operations

**DF-GAN**, Text to Image Generation (In Progress) **Sup.: Dr. CKM, Professor, CSE-IITH**

Github

- Understand the architecture and working of DF-GAN
- Implementation of the model and reproduce IS and FID scores for comparison
- Explore possible improvements in the architecture

## TECHNICAL SKILLS

**Programming Languages** JavaScript, Golang, C++, C, SQL, Bash, Python

**Databases and Frameworks** Postgres, Mongo DB, Redis, Next JS, Express JS, Material UI, NodeJS

**Other Skills** Github Actions, Docker, docker-compose, Redis Pub/Sub

**Cloud** Google Cloud Platform, Heroku

## COURSES

### Institute Courses

• Data Structures • Algorithm Design and Analysis • Operating Systems • Software Engineering • Database Management Systems • Computer Architecture

### Online Courses and Certifications

- Google Cloud Platform Fundamentals: Core Infrastructure
- The Bits and Bytes of Computer Networking by Google

## VOLUNTEER EXPERIENCE

**Cloud Facilitator**, Google Developer Student Club - IIIT Raichur

Sept 2021 — Present

- Get to know about the Google Cloud Platform (GCP) and help people in community to get started with it.

**Teaching Assistant**, Indian Institute of Information Technology Raichur

Sep 2020 — Present

- Introduction to Programming • Operating Systems - 1 • POPL

**Placement Cell Coordinator**, Indian Institute of Information Technology Raichur

Apr 2021 — Present