Aditya Agrawal
Pre-Final Year Student

Anand, Gujrat
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EDUCATION

Bachelor of Technology - Computer Science and Engineering,   **July 2019 — June 2023**
Indian Institute of Information Technology, Raichur
CGPA (Current): 8.76/10.00

XII, CBSE, Grades: 85%   **2018 — 2019**

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