

Aditya Agrawal

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Final Year Student
IIITR

[GitHub](#)
[Linkedin](#)

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%

2018 — 2019

WORK EXPERIENCE

Software Engineering (Intern) - [Stockal](#)

January 2022 - Present

- Worked on stock **prices** and **tax** calculations.
- Worked on data migration from **NoSQL** to **SQL** databases.
- Worked on stock **charts for technical analysis** using **TradingView** advance charting library.
- **Technologies Used:** DB -> Timescale, Postgres, MongoDB, Redis | Backend -> NodeJS, Python, Golang | Others -> AWS

PROJECTS

TNP Portal

Project | [Gitlab](#)

- Common portal for students and companies to manage placements in the institute
- **Rate limiting** (Authentication token based - fallback to IP) backed by **Redis**
- Automatic expiry of incomplete user profiles using Redis Pub/Sub
- **Tech Stack:** Front-end -> NextJS, MaterialUI | DB -> Postgres, Redis | Backend -> NodeJS, Firebase Storage | Others -> Redis Pub/Sub, Helmet.js

drive-encrypt

[Github](#)

- Tool to encrypt files and save on disk
- Provides CLI for usage (future HTTP page)
- **Tech Stack:** Golang, Cobra CLI

DF-GAN, Text to Image Generation Sup.: Dr. CKM, Professor, CSE-IITH

[Github](#)

- Understand the architecture and working of Deep Fusion Generative Adversarial Network
- Implementation of the model and reproduce IS and FID scores for comparison
- Explore possible improvements in the architecture

TECHNICAL SKILLS

Programming Languages	JavaScript, Golang, Python, C++, C
Databases	Postgres, Mongo DB, Redis, TimescaleDB
Frameworks	Next JS, Express JS, Material UI
Other Skills	Github Actions, docker-compose, Redis Pub/Sub
Systems	Linux, Digital Ocean, GCP, Heroku

COURSES

Institute Courses

• Data Structures • Algorithm Design and Analysis • Operating Systems • Software Engineering • Database Management Systems • Computer Architecture • Parallel and Concurrent Programming • Computational Methods

Online Courses and Certifications

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

VOLUNTEER EXPERIENCE

Teaching Assistant, Indian Institute of Information Technology Raichur

Sep 2020 — Present

- Introduction to Programming (under Dr. Rakesh Venkat, IITH)
- Operating Systems - 1 (under Dr. Sathya Peri, IITH)
- POPL (under Dr. Sadhana Jha, IIITR)