

# Ayon Karmakar

Software Development Engineer | Backend Engineer  
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## EDUCATION

### PARUL UNIVERSITY

B.TECH IN COMPUTER SCIENCE AND  
ENGINEERING - AI  
November 2020 - Present  
Gujarat, IN  
CGPA: 8.69 / 10.0

### SRI CHAITANYA SCHOOL

Hyderabad, Telangana  
Class XII: 94.3%

## LINKS

LinkedIn:// [Ayon-ssp](#)  
Github:// [Ayon-SSP](#)  
CodeChef:// [Ayon\\_ssp](#)  
Leetcode:// [Ayon\\_ssp](#)  
HackerRank:// [Ayon\\_ssp](#)

## SKILLS

### EXPERIENCED

- Python & OOPS
- DSA
- SQL + DBMS

### INTERMEDIATE

- C/C++
- Git & GitHub
- HTML & CSS
- JavaScript & PHP
- Linux shell scripting

### Tools and Technologies:

- Django • REST-API • Nodejs
- PostgreSQL(RDBMS + ORDBMS)
- schema\_design • MongoDB • AI
- Tools(GPT)

### Machine Learning:

- NumPy • Matplotlib • Pandas
- sklearn

## COURSES

Algorithms and Data Structures  
Mathematics  
Object-Oriented Programming (OOP)  
Database Management Systems  
Operating Systems  
Computer Networks

## EXPERIENCE

### ENITIATE | SOFTWARE DEVELOPER INTERN

June 2023 – August 2023

- **Tech stack** : React JS | NEXT JS | vite | Firebase | API's | JWT
- Developed robust applications, implementing secure authentication with **JWT**, integrating **Firebase** for seamless storage and real-time updates.
- Collaborating with cross-functional teams for high-quality and timely deliveries.

## PROJECTS

### TWITTER-CLONE | [GITHUB LINK](#)

June 2023 – Present

- Designed & Developing a Twitter Clone using **Django**, **React.js**, and **Django Rest Framework**. Used **JWT Authentication**
- Featuring real-time chat, image/file tweets, notifications, profile/settings management, and tweet bookmarking.

### STORE MONITORING | [GITHUB LINK](#) | [VIDEO LINK](#)

- Designed & Developed a **RestAPI** with **Flask** to handle user requests and generate reports. Used **Postgres** database for **CRUD** operations, **Pandas** for data processing, and **psycopg2** for database communication.
- Implemented **logic** to compute hours overlap and uptime/downtime. Reports can be downloaded as CSV files. [[Link](#)]

### FLIGHT TICKET BOOKING | [GITHUB LINK](#) | [VIDEO LINK](#)

- Developed a **Django** based Flight Booking System with **token-based authentication**, **PostgreSQL** storage, and **SQLAlchemy** preprocessing. Enabled users to search, book flights, and manage bookings.
- Added admin functionality for flight management. Integrated frontend with **Django Template Language (Jinja)** and Bootstrap for user-friendly interface.

## ACHIEVEMENTS

### OPEN SOURCE | OVER 20 CONTRIBUTIONS

- Owned an Open Source GitHub Repository: **The-SDE-Prep** 60+ contributors. | **LINES OF CODE: 16K**
- **Random Coder Org** | Member | Fixed **Bugs**  
Contributions: Built Auto version update system, Auto Json update, etc...
- **Hacktoberfest** | **10 SUCCESSFUL COMMITS IN 2 DIFFERENT ORGANIZATION**
- OpenSource Contributor **GWOC '21 (GirlScript Winter of Contributing)**

### COMPETITIVE PROGRAMMING | OVER 500 PROBLEMS

- **4 Star at CodeChef** | **Leetcode Ratings: 1677** | Top 5 College Rank on CodeChef Rating. • Achieved **Global Rank 50 (Division-2)** in July Challenge 2021 • Top 10 among the university for selection of **SAP Industrial 4.0** trainee program