

Ananyobrata Pal

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[LeetCode](#) | [LINKEDIN](#) | [GitHub](#)

EDUCATION

NETAJI SUBHASH ENGINEERING COLLEGE (MAKAUT)

BACHELORS COMPUTER SCIENCE AND ENGINEERING

2020 - 2024

GPA: 9.6

EXTRA CURRICULAR: President of GNX NSEC, (official Linux User Group affiliated with Free Software Foundation), hosted and organized multiple offline technical workshops and boot-camps on college campus and gave talks to encourage technical development among peers.

SKILLS

PROGRAMMING LANGUAGES

Python, Dart, TypeScript /

JavaScript, C, C++, Java

LIBRARIES/FRAMEWORKS

Django Rest Framework, Flutter,

ReactJS, Redux-Toolkit, Mongodb, ExpressJS (MERN),

TailwindCSS, PostgreSQL

TOOLS / PLATFORMS

Git/Github, Linux, Windows, GNU Coreutils, vim,
command-line tools, Docker-cli, docker compose, OOP

NATIONAL HACKATHONS

1. Smart India Hackathon (Excel College, Coimbatore - 2022)

WORKED WITH: Flutter / Dart, API integration with Dio http library, Postman

RESULT: First Runners Up

2. Cognizance TechFest (IIT Roorkee - 2023)

WORKED WITH: TBD

RESULT: TBD

WORK EXPERIENCE

HJ Infotech, July 2022 - September 2022

Have experience in full stack development, using TailwindCSS, wordpress, Search Engine Optimization (SEO).

PROJECTS / OPEN-SOURCE

* demos may take several moments to load as they are hosted on free tier servers

1. SmartShala Frontend | [GITHUB](#) | [DEMO](#)

Flutter, Dart

A solution for *all-in-one digitization* alternative to schooling system, with **AI/ML** to recognize text and grade students on a single platform keeping track of student's *learning progress*, keeping in mind teachers' convenience. Worked on the **frontend** of the project, with my team for competing in the **SMART INDIA HACKATHON 2022 FINALS**.

2. ComputerShop (FullStack) | [GITHUB](#) | [DEMO](#)

MERN, Redux Toolkit, TypeScript

A fully functional, featureful *online shopping app*, with all *core functionality* of an *e-commerce application*, like **jwt login**, *adding to cart*, *placing orders*, *fetching products* and *previous orders*, all operations saved and connected *realtime to backend*.

Frontend is created with **ReactJS**, with modern **Redux Toolkit** for global *state-management*. Backend is powered by **ExpressJS** with **Node**, and **NoSQL** database with **MongoDB** managed with **Mongoose**. Whole project is written in **Typescript**.

3. Snappio Backend | [GITHUB](#) | [DEMO](#)

Django Rest Framework, Django Channels,
Asyncio, PostgreSQL

A *social-media/chat app* that incorporates *chatting* and *event-planning* with friends. Supports user authentication with **JWT Tokens**, *uploading and posting images* and showing them in the user's feed / profile. Currently a work-in-progress, with the *core functionalities* of the backend *already up and running*.

The *RESTful api* is written with **Django Rest Framework** with *object-oriented generic classes*, and the **web-socket protocol** with **Django Channels** with custom authentication for real-time communication, documentation supported by **swagger/redoc** standards. The project is **dockerized** and *hosted online* for easy deployments.