



Arpit Solanki

Roll No.: 23IT3012

Bachelor of Technology

Information Technology

Rajiv Gandhi Institute of Petroleum Technology

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Github

LinkedIn

EDUCATION

Rajiv Gandhi Institute of Petroleum Technology

B.Tech. in Information Technology (CGPA: 7.1 / 10)

Jais, Amethi

2023-2027

SDB Public School

Senior Secondary (CBSE Board - 82%)

Academic Year

2022

SDB Public School

Secondary (CBSE Board - 95%)

Academic Year

2020

EXPERIENCE

Plone CMS (remote)

Contributor and member at Plone

Proof of Work Link

Dec, 2024 - May, 2025

- Integrated new OAuth 2.0 providers into the authomatic library.
- Migrated OAuth 1.0 providers like Twitter/X, Yahoo, tumbler and BitBucket to OAuth 2.0.
- Enhanced configuration for authentication and improved documentation.
- Reported critical edge case failures in form validations.

PROJECTS

EdgeCart |

Offline Functional PWA

June, 2025

[Link](#)

- Developed a Next.js Progressive Web App (PWA), **fully functional without internet**.
- Implemented **PouchDB (client-side DB)** for local data storage and **Couchbase Sync Gateway for real-time sync**. This syncs everything when internet is connected.
- Enabled product management features, including adding and viewing products offline.
- Utilized service workers and indexDB (browser) to cache assets and support offline-first experience.
- Built responsive UI for seamless use on all device sizes.

Efficient Queue Management System |

Full Stack + ML Project

2024

Web-based Hospital Queue System

- Developed a robust hospital queue management system enabling seamless patient registration, automatic queue assignment, and real-time status updates.
- Integrated intelligent queue optimization using average consultation time and estimated delay prediction.
- Used mathematical modeling and basic ML logic to assign estimated wait times based on queue position, doctor availability, and past consultation patterns.
- Built a secure and scalable backend with Node.js, Express.js, MongoDB, and Mongoose.
- **Reduced average patient wait times by 66.45%**, significantly improving hospital efficiency and patient satisfaction.

KEY COURSES TAKEN

Data Structures and Algorithms, DBMS, OOPs, Discrete math, COA, Machine Learning, Operating Systems, System Design / Scalable Systems

TECHNICAL SKILLS

Programming: JavaScript, Python, C++, SQL, Bash

Libraries/Frameworks: Next.js, Langchain, LangGraph, Flask, React.js, Express, Node.js, jQuery, EJS

Tools & OS: PostgreSQL, MongoDB, Neon DB, GCP, Kubernetes, Docker, Postman, Git, GitHub, Linux

ACHIEVEMENTS

JEE Advanced 2023 Qualified-Ranked in the top 2% with AIR 22425 among 1.2 million candidates 2023

PM Young Achievers Scholarship Award-Received national award for outstanding academic merit 2024

POSITIONS OF RESPONSIBILITY

Training and Placement Coordinator | CSE Department

2025- Present

Head of Sponsorship Team, eCell RGIPT

2025 - Present