

# Anubhab Patnaik

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## EDUCATION

### Silicon Institute of Technology

*Bachelor of Technology in Computer Science and Engineering; GPA:8.85/10.0*

Bhubaneswar, India

*July 2019 – June 2023*

## EXPERIENCE

### Squbix Digital

*Software Developer*

Bhubaneswar, IN

*June 2022 - Jan 2023*

- Designed and developed the Squbix Website. Refactored React-Native applications with better UI, implemented offline storage, and push notifications, and built an ERP app to monitor the attendance and tasks of employees.
- Built backend APIs using NodeJs. Configured optional parameters to switch between different blockchains. Refactored the JS-based SDK to TypeScript and NodeJs. Built Chrome extension for wallet transactions. Used mocha for unit testing.
- Modified the existing DID pallet using rust & substrate to store id information in the blockchain with additional unit tests. Collaborated on the wallet transfer PWA to cater to the need of existing users of the older blockchain.

### Ebibil Technologies

*ML Ops Frontend Engineer*

WFH, IN

*July 2021 - Oct 2021*

- Collaborated on the Django web app to integrate with ML models for a smart parking system to identify & recognize the license plate using Python and OpenCV for the ANPR system with a 67% accuracy

### Triluxo Education

*Python Developer*

WFH, IN

*July 2021 - Oct 2021*

- Tutored students on the basics of computer Science & programming using Python.
- Built a Django back-end for a web application used by students to build apps

## TECHNICAL SKILLS

**Programming Languages** C/C++, Python, JavaScript/TypeScript, Go, PHP, Rust, SQL

**Libraries/ Frameworks** Numpy, Pandas, Sk-Learn, Django, MERN, React Native, Flutter, Substrate

**Developer Tools & Platforms** Git, Bash, GitHub, Docker, AWS, Firebase, Lighthouse, Analytics

## PROJECTS

### QTREE -

*JavaScript, Canvas, HTML*

Inspired by [KoalasToTheMax](#), QTree is a short live demonstration of image compression and decompression using Quadrees, that partitions a two-dimensional image by recursively subdividing it into four quadrants.

### WEBCCHAT -

*GunJS, Svelte, Rust, Tokio, Substrate, React, Firebase, gh-actions*

A decentralized chat app built in Rust & Svelte for super fast performance and excellent memory management.

### BEE -

*Pandas, Sklearn, NLP, LP, BitTorrent*

A custom BitTorrent client to download movies with an **item-based collaborative movie recommendation system** based on user ratings and the no. of ratings & a **rating prediction system** to classify movie reviews as good/bad.

### ZUZU -

*NodeJs, Django, React, SQLite3, AWS-EC2*

A static site generator with RSS & pdf generators with search bar & custom theme setting.

### RESOC -

*React, Bootstrap, Firebase, Cloud Firestore*

A FOSS social platform for accessing free academic resources with task management, a chat section, and an open contributions page with a growing user base of 2000 & more than 4000 reads and 200 writes

## VOLUNTEER EXPERIENCE

Co-founder - [cbrtl](#): A FOSS platform for programmers who like to craft fun projects together. **2022**

Co-founder & Joint Secretary, SWITCH, the first official coding club of the College. **2021.**

President (Chairperson) - **2022-23** of the prestigious IEEE Students' Chapter, Silicon Institute of Technology.

## HONORS & AWARDS

Semi-Finalist: Binance 2022, Nirman 2022 & ED Cell -Ideathon 2022

Best Delegate: XIMUN 23 LHSMUN '20. High Commendation-I SITMUN(2020 & 2021).

Contingent Leader: Mood Indigo 2023, IIT Bombay