

# Anubhab Patnaik

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GITHUB | LINKEDIN | LEETCODE | PROFILE | BLOG

## EDUCATION

**SILICON INSTITUTE OF TECHNOLOGY, BHUBANESWAR**  
**B. TECH COMPUTER SCIENCE AND ENGINEERING**  
 GPA: 8.91

July 2019 - May 2023  
 Bhubaneswar, India

## WORK EXPERIENCE

### SQUBIX DIGITAL | FULLSTACK BLOCKCHAIN DEVELOPER

Bhubaneswar | July 3rd, 2022 – Jan 3rd, 2023

- Designed and developed the Squbix Website. Refactored React-Native applications with better UI and implemented offline storage, push notifications, and built an internal ERP system 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. Used mocha for unit testing.
- Modified the existing DID pallet using rust and substrate to store identity information in the blockchain with additional unit tests. Collaborated on the wallet transfer PWA to cater to existing users of the older blockchain.

### AFIXI TECHNOLOGIES PVT. LTD | FREELANCE

Bhubaneswar | March 2022 – April 2022

- Set up a platform to handle DDEX submissions using Amazon AWS S3 & Go. Handled 30% of DDEX transactions & automated uploading of music on YouTube.

### E-BIBIL TECHNOLOGIES | FRONT-END DEVELOPER

WFH | July 27th, 2021 – Sep 27th, 2021

- Collaborated on the Django web app to integrate with ML models for a smart parking system to recognize the license plate using python and OpenCV for the ANPR system with a 67% accuracy.
- Implemented a PWA using react for the admin panel that manages 40% of the workload in the parking system.

## TECHNOLOGIES WORKED WITH

PROGRAMMING LANGUAGES  
 LIBRARIES/ FRAMEWORKS  
 DEVELOPER TOOLS & PLATFORMS

C/C++, Python, JavaScript/TypeScript, PHP, Rust, SQL  
 Numpy, Pandas, Sk-Learn, React, ReactNative, NodeJs, Django, Flutter, Substrate  
 Git, gh-actions, Docker, AWS, Firebase, MongoDB

## PROJECTS & HACKS

### QTREE | SOURCE-QTREE | LIVE

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.

### W3BCHAT & BLOGCHAIN | SOURCE-W | LIVE | SOURCE-T

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

W3BCHAT is a decentralized multi-client chat app that mimics the working of a blockchain created using svelte & gunJs. Blogchain is a blogging platform written in rust for super fast performance and excellent memory management.

### CONFLIX | SOURCE-MR | SOURCE-BTC | SOURCE- RP

Rust, 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 number of ratings and a rating prediction system to classify movie reviews as good/bad.

### ZUZU & BLOG-2 | S-OLD | S-NEW | ZUZU

Node, Django REST, Bootstrap, React Hooks, SQLite3, AWS EC2, gh-actions

A static site generator that parses markdown files and renders HTML files with custom UI themes. A multi-client blogging platform with token-based authentication.

### RESOC | SOURCE-RESOC | LIVE

React, React-Native, React-Bootstrap, Firebase, Cloud Firestore

A website for accessing free academic resources with a markdown reader, assignments, a task manager, and a chat section.

## HONORS & AWARDS

- Binance, Nirman & ED Cell -Ideathon 2022: Semi-Finalist.
- Consecutive High Comm.-I SITMUN(2020 & 2021): The model united nations hosted in SIT.

## VOLUNTEER EXPERIENCE

- Hosted Singularity: A open forum/ podcast to discuss science fiction, engineering, and math.
- Co-founder - cbrtl: A FOSS platform for programmers who like to craft fun projects together.
- Co-founder & ex-Secretary(U), Silicon Wing of Technical and Coding Hub, the first official coding club of the College.
- Chairperson - 2022-23 of the prestigious IEEE Students' Chapter, Silicon Institute of Technology.