

# Anubhab Patnaik

November 18, 2023

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## EDUCATION

### Silicon Institute of Technology

*Bachelor of Technology in Computer Science and Engineering; CGPA:8.7/10.0*

Bhubaneswar, India

*July 2019 — June 2023*

## EXPERIENCE

### StackIt

*FullStack Engineer*

Bengaluru, IN

*June 2023 - Present*

- Built an advanced custom scheduling and logging using service using React, Node, and Python, to store user data periodically, which led to a 20% increase in user retention.
- Created the Data-Preview component using React and Node, enhancing data visualization capabilities, which led to a 30% reduction in data import errors. Implemented robust filters, joins, and v-lookups, increasing data processing efficiency for users conducting ETL operations.
- Built sustainable RAG pipelines using langchain and llamaindex to convert text to SQL & no SQL queries, reducing more than 50% user churn.

### Asymmetri

*Full-stack Developer- Part-time*

WFH, IN

*June 2022 - July 2023*

- Building a robust PDF generator using React and NodeJs. Devised a custom PDF viewer using react-pdf and react-pdf-highlighter.

### 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, push notifications, and created an ERP app to monitor the attendance and tasks of employees.
- Launched backend APIs using NodeJs. Configured optional parameters to switch between different blockchains. Refactored the JS-based SDK to TypeScript and NodeJs. Developed a 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 on the older blockchain.

## PROJECTS

### QTREE - 🔄

*JavaScript, Canvas, HTML*

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

### WEBCHAT - 🔄

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

A decentralized chat app, written in Rust & Svelte, enabling real-time messaging for 10,000 concurrent users.

### 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 reviews with an 85% accuracy.

### ZUZU - 🔄

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

A static site generator with js-binding, RSS & PDF generators, a search bar & modular 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

## TECHNICAL SKILLS

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

**Libraries/ Frameworks** MERN, React Native, || Numpy, Pandas, Sk-Learn, Django, Flutter, Langchain, Llamaindex

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

## VOLUNTEER EXPERIENCE

Established and led [cbtrl](#), a FOSS platform; increased user base, and facilitated 13+ innovative projects. 2022

Co-founder & Joint Secretary, [SWITCH](#), the first official coding club of the College. 2021

Chairperson - 2022-23 of the prestigious [IEEE Students' Chapter](#), Silicon Institute of Technology.