

DAKSH PALERIA

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EXPERIENCE

blinkit (formerly known as Grofers)

March 2023-Present

Software Developer Intern (Backend)

Bangalore, India

- **Working** as a **backend** developer in the **warehouse tech** team focused on developing and improving various operations like **inbounding, putaway, picking, billing, and handover** with the use of tech.
- **Developed** the zone type mapping for the picker device which thereby increased the efficiency of the ground team by **60% by automating assignment** by working on **Java (Play Framework) microservice**.
- **Implemented** the workflow to push invoices, reports **daily on S3 Buckets**. Moved the workflow to work asynchronously by using RabbitMQ, and Celery in the **Python (Django) microservice**.
- **Created** the feature to upsync/downsync data from one microservice to another by making it work asynchronously with the help of **Amazon SQS**. Employed **Log4j2** to improve **logging on Grafana Loki**, added necessary alarms/alerts for the same on **Grafana Loki, and Amazon Cloudwatch**.

Summer of Bitcoin 2022 – bcoin

May 2022–Sept 2022

Software Developer Intern

Remote

- **Developed** the addition of **Taproot (BIP 340, 341, and 342)** validation to the node and wallet using JavaScript.
- **Analyzed** the 3 major Bitcoin Improvement Proposals (BIPs). Reviewed the changes, tested the changes using JS scripts, writing new tests.
- Led the complete **revamp** of the node and wallet by implementing all the necessary changes in the **3 BIPs**.

Google Summer of Code 2021 – CDLI

May 2021–Sept 2021

Google Summer of Code 2021 Software Developer

Remote

- **Developed** a dashboard that can visualize the admin with more than **20+ digital assets** for **100k+ artifacts** using **Cake PHP, and MariaDB**.
- **Created** a **Python script** to replace the manual methods of updating the database for more than **150K assets**. Added **Docker** support to **remove hardware redundancy**.
- **Reduced the manual work by 50%** by automating the process to update the database on a **daily basis**.

PROJECTS

Web DApp for Decentralized Autonomous Organization (DAO) [🔗](#) [ReactJS, Solidity, Hardhat, CSS]

- **Implemented** a dashboard that can show the **DAO Members** a **list of all proposals, options to vote on the listed proposals, and the total number of tokens with each member**.
- **Deployed** an **ERC-20 (Ethereum Request for Comment) Governance Token; an ERC-1155 Non-Fungible Token (NFT), and a treasury on Rinkeby** that will allow members to have a **say** in the **organization**.

Mobile Application to predict user's disease [🔗](#) [Flutter, Firebase, Flask, TensorFlow]

- **Created** a mobile application from scratch in collaboration with **three members** that will work as a dashboard to **predict the disease** a user is suffering from.
- **Achieved** an accuracy of **93% with the model** trained on the data provided by the sponsors.

Mobile Application for maintaining the COVID Protocols [🔗](#) [Flutter, Firebase, Flask, CNN]

- **Built** a **mobile application** that allows the users to track the implementation of the **COVID Protocols** in public places.
- **Achieved** an accuracy of **97% with the model** trained on the data provided by the sponsors.

TECHNICAL SKILLS

Languages: Python | C++ | Java | SQL | HTML/CSS | PHP | Dart | Solidity

Frameworks: Flutter | Django | Play | ReactJS | AngularJS

Tools: Git | SQL | Docker | AWS | RabbitMQ | Celery | Grafana Loki | Jenkins | Redash

EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Vellore, Tamil Nadu

Jul 2019-Jul 2023

Relevant Coursework: Data Structures and Algorithms, Object Oriented Design, Operating Systems, Database Management Systems, Artificial Intelligence, Natural Language Processing.