

SAMBARAN BAIDYA

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WORK EXPERIENCE:

Globsyn

Trainee/Intern

- Responsible for developing a small scale retail billing system for one of the company's subsidiaries.

Jio Digital Champions Program

Intern

- Responsible for interacting with different SMBs for collection and analysis of the problems faced and suggesting digital tools and solutions.

Bank of America

June, 2019 - June, 2022

Software Engineer I B

- Responsible for programming on both front-end and back-end of various applications used for internal monitoring activities of the concerned LOB.
- Worked primarily in Atom and Quartz for writing code. Used Webix framework in React.js for developing UI elements, and handled back-end data from bank's proprietary Sandra database.
- Developed a monitoring tool based in python to be used by executives for tracking various bank related trades and exchanges in real time.
- Created a python-based analyzing tool for monitoring and reporting metric threshold values for various LOB components.
- Worked on a python-based calendar application that streamlines all employee work-time actions, and is used across the LOB.
- Worked on transitioning a Webgems-based application for monitoring trade data and generate visual representations of their states to a python framework with UI made in React with the Webix framework.
- Responsible for writing python unit test cases for all applications worked on with 80% code coverage at least.
- Worked with the Operations department of Bank of America under the CARES Act introduced during the pandemic-induced lockdown to help small businesses, and contributed significantly to alleviate the sudden increased workload on the core Ops

team.

- Awarded Gold for contributions towards LOB. Awarded Silver and Bronze for contributions towards CARES Act.

CoinAlpha Inc.

June, 2022 - September, 2022

Software Developer

- Worked with a global team on the proprietary crypto trading bot called Hummingbot.
- Developed and optimised code solutions for interacting with the crypto markets supported by the bot.
- Developed asynchronous python-based connector packages for various crypto exchanges to enable trading using their API on Hummingbot.
- Worked on end to end implementation of logic designed to implement trading strategies used by Hummingbot users and ensure failsafe and secure operations.
- Developed python modules to ensure that the bot interacts with the various exchanges and markets and tracks user data efficiently.
- Worked closely with the QA team to monitor and fix bugs and edge-case errors through rigorous real-time testing.

PERSONAL PROJECTS:

AC temperature regulator

- An IOT based device which continuously monitors the room temperature and stores it on an online database and regulates the AC temperature accordingly

Obstacle Detection based RC car

- An Arduino based RC car which senses obstacles in its path within a distance of about 20 cm and adjusts its route automatically.

Road accident simulation in VR

- A educative virtual reality simulation depicting a road accident scenario where the user is taught through a series of actions what to do and what not to do to save a victim who has been in a road accident.

Project Planner

- A django-based API backend system for planning projects. Supports managing various data models like users and teams.

To-do List

- A simple API system for scheduling tasks and making a

to-do list.

TECHNICAL SKILLS:

Python, Django-rest framework, Data Structures, OOP Principles, Java

EDUCATION:

Vellore Institute of Technology , Chennai

Bachelor of Technology, Computer Science

2015-2019

Julien Day School, Ganganagar

ISC

Score: 94.25

VOLUNTEER EXPERIENCE:

Desire Foundation

Content Writer

08/2017 - 10/2017