

# Sanket Bondre



sanketb



BrolyDBZ



sanketbondre



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## EXPERIENCE

### INCENTIUS PVT LTD | SOFTWARE DEVELOPER

Jan 2022 – Current | Pune, India

- Designed and developed an iPadOS application for a data-intensive CRM system using Vuejs, implemented a modern and user-friendly interface that streamlined data handling and retrieval, resulting in improved user experience and increased efficiency for the business.
- Built a highly optimized RESTful API using Flask and Python, leveraging best practices to handle data-intensive tasks and improve API response time.
- Optimized system performance and achieved a 300% reduction in API call latency by grouping millions of data records into several PostgreSQL materialized views.
- Tech Stack: Python, Flask, AngularJs, Vue, PostgreSQL, MongoDB, AWS, Redis

### INCENTIUS PVT LTD | SOFTWARE DEVELOPER INTERN

Jan 2022 – July 2022 | Pune, India

## PROJECTS

### RAFT (DISTRIBUTED CONSENSUS) | GOLANG, RPC

- Implement Raft consensus (a replicated state machine protocol) with a Leader Election, Log Replication, Persistence Storage, and log compaction(Snapshot).
- The raft consensus algorithm guarantees fault tolerance, high availability, and consistent state agreement among nodes even in the event of failures or network partitions.

### DISTRIBUTED MAP-REDUCE | GOLANG, RPC

- Implemented a Distributed MapReduce system with a master-worker architecture with a master process that hands out tasks to workers and copes with failed workers.
- The worker process executes application Map and Reduce functions while concurrently managing file I/O operations.

### COVID SEVERITY DETECTION | PYTHON, TENSORFLOW, KERAS

- Designed and developed Machine Learning Classification and Segmentation (U-net) models for detecting and predicting disease severity in Covid-19 patients using pre-trained architecture such as InceptionV3 and Res-Net.
- Compared the performance and accuracy of the different architectures. The model's accuracy ranged from 88 to 95% On CT-Lungs images trained using various hyperparameters.

## ACHIEVEMENTS

- Leetcode Profile : [leetcode/broly](https://leetcode.com/broly)
- Achieved a Leetcode contest rating of ~1750 and solved over 700+ questions, placing in the top 9% of competitors.
- Ranked 1786 out of 20k+ participants globally in the LeetCode weekly contest held on October 29, 2022.

## SKILLS

### PROGRAMMING

Python • Golang • JavaScript  
SQL • C++

### LIBRARIES/Frameworks

#### Backend Development:

Flask • Django • Golang RPC

#### Frontend Development:

AngularJs • VueJs • HTML5 • CSS

#### ML and Data Science:

Numpy • Keras • Tensorflow

### DATABASES

Postgresql • Mysql • MongoDB

### TOOLS/PLATFORMS

Git • Docker

## EDUCATION

### VISHWAKARMA INSTITUTE OF INFORMATION TECH.

BACHELOR IN TECHNOLOGY

July 2018- July 2022 | Pune, India

Cum. GPA: 9 / 10

## COURSEWORK

Distributed System  
Data Structure & Algorithms  
Object Oriented Programming  
Database Management System  
Operating System  
Machine Learning/Deep Learning  
High-level Design (HLD)  
Low-level Design (LLD)  
RESTful API Design  
Microservices Architecture