Sanket Bondre

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EXPERIENCE

INCENTIUS PVT LTD | SOFTWARE DEVELOPMENT ENGINEER
Jan 2022 – Present | Pune, MH

- Designed and developed an iPadOS application for a data-intensive CRM system using Vuejs, resulting in improved user experience and increased efficiency for the business.
- Built a highly optimized RESTful API using SOLID Principles in Flask and Python, streamlining the data retrieval and processing workflow.
- Optimized system performance and achieved a 300% reduction in API call latency by grouping millions of data records into several PostgreSQL materialized views.
- Migrated data from AWS RDS and Redshift to S3 using Python Shell script and AWS boto3 library for backup.
- Tech Stack: Python, Flask, AngularJs, Vue, Postgresql, MongoDB, AWS, Redis

INCENTIUS PVT LTD | SOFTWARE DEVELOPMENT INTERN
Jan 2022 – July 2022 | Pune, MH

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 different architectures for detecting COVID-19 in CT-Lung images. The model's accuracy ranged from 88% to 95%, trained using various hyperparameters.

ACHIEVEMENTS

- 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/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

LINKS

Github: **github/BrolyDBZ**
LinkedIn: **linkedin/sanketbondre**
Leetcode: **leetcode/Broly**

EDUCATION

VISHWAKARMA INSTITUTE OF INFORMATION TECH.
B.TECH | JULY 2018- JULY 2022
Cum. GPA: 9.0 / 10.0

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