Gaurish Anvekar

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EDUCATION

Santa Clara University   Santa Clara, CA
Master of Science in Information Systems   January 2023
- Relevant Coursework: OOP, Cloud Computing (Containers, Kubernetes), Big Data Modeling & Analytics

Sri Jayachamarajendra College of Engineering   Mysore, India
Bachelor of Engineering in Information Science   June 2015
- Relevant Coursework: Data Structures & Algorithms, Software Architecture, Distributed Operating Systems

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python, PL-SQL, C#, C, Go
Web Frameworks: Node.js, Express, React JS, Bootstrap, Oracle-ADF, Oracle-Forms, ASP.NET
Applied Machine Learning: Deep Learning, Computer Vision, CNNs
Databases: Oracle DB, MS SQL-Server, MongoDB
Other Tools/Tech: Git, Jira, Pytorch, Pandas, Numpy, OpenCV, FFmpeg, WebRTC, Socket.IO, Redis, Hadoop, Spark

EXPERIENCE

SCU BioInnovation and Design Lab   Santa Clara, CA
Research Assistant   October 2021 - Present
- Building the front-end & state-management using "React JS" and "Redux" for Aromyx's data visualization tools.

Myelin Foundry – (AI in Media & Healthcare)   Bangalore, India
Product Developer   April 2019 - October 2019
- Implemented a prototype called SRAAS - "Super Resolution as a Service", to upscale videos from 240p to 720p in real-time on backend (GCP instance).
- Implemented upscaling using a Deep-Learning service written in Pytorch which sends upscaled video segments to a Node.js server through IPC, and served to a front-end video player - Video demo at SRAAS.
- Use cases – Reduce CDN storage cost for OTT (Over-the-top) platforms by only storing low to SD (Standard Definition) videos (86% storage saved), and upscaling in real-time to high quality; Upscaled content improves "Quality of Experience".

CAI Solutions – (Retail Software Systems)   Bangalore, India
Software Engineer   December 2015 - January 2019
- Headquartered at Dallas, Texas, the company specialized in Retail Software Systems with Oracle Retail Suite.
- Contributed to a product called "Like Store" for a top "Sporting-Retailer" - owning 250 stores across 16 states in the US - to reduce time taken in opening a new store from 3 months to less than 15 days.
- Improved startup time of initial screen (10s to 4s), to display merchandise hierarchy of "Academy Sports" across multiple stores – implemented a recursive approach to run only some parts of a complex SQL query instead of entire query.

PROJECTS

Easy_School - easyschool.academy (Live Product)
A Subscription-based SaaS product - "EasySchool". A simple way for new schools/universities/institutes to subscribe and set up their management system with features - "Virtual Library", "Online Lecture" and more. More about the tech stack (MERN) and architecture in my series of "Medium" posts- medium.com/@GaureeshA

Parallel_PDF_Creation - pypi.org, github.com/pypi
A python package (tool) for "Analysts" to quickly create PDF files out of DataFrame rows. Using "Parallelism" and "MapReduce" concepts, it can generate 1000 PDFs from a DataFrame with 16 columns in 2 mins.

ADDITIONAL INFORMATION

Interests: Highly interested to be a part of a team building scalable backend services, distributed systems (worked with concepts - MapReduce, DFS, Consensus Algorithms (Raft) in Go with MIT's online 6.824). Reading engineering blogs.

Problem Solving: Good hold of data structures & algorithms - active user on LeetCode with over 200 problems solved.

Articles: medium.com/@GaureeshA