

Sankalp

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EDUCATION

University of Visvesvaraya College of Engineering
B.Tech in Information Science and Engineering - CGPA - 8.75

Bengaluru, IN
Dec. 2020 - June 2024

Dr. CBG PU Science College
PUC - Percentage - 90.5

Bidar, IN
June. 2018 - June 2020

EXPERIENCE

Iron Mountain
Software Engineer Intern

Bengaluru, IN
Jan. 2024 - Jun 2024

- Developed a web application using ReactJS to extract and display data from .eml/.msg files, processing up to 10 files per second with 95% accuracy in data extraction, improving user productivity by 30%

Associate Software Engineer

Jul. 2024 - Present

- Built and maintained CI/CD pipelines using Gitlab CICD, enabling seamless deployment on Kubernetes clusters (GKE), reducing deployment time.
- Designed and managed Kubernetes Pods, ReplicaSets, and Deployments to ensure high availability and scalability of applications.
- Diagnosed and resolved system and application issues, reducing resolution time by 40 percent through proactive monitoring and debugging
- Configured Kubernetes services (NodePort, ClusterIP, LoadBalancer) for reliable communication between microservices.

PROJECTS

Eztask | *Golang, Postgres*

Sep. 2024 – Nov. 2024

- Developed a real-time distributed task manager that allows multiple users to add, update, and complete tasks.
- Concurrent Task Handling: Use goroutines and channels to manage multiple users and tasks concurrently, ensuring smooth performance even with high task volume.
- Implemented WebSockets/long-polling for real-time task updates, ensuring instant synchronization between the server and connected clients.
- Designed a secure user authentication system using JWT, ensuring safe and private access to user-specific tasks.
- Deployed the application on **Kubernetes (GKE)**, ensuring smooth scalability and minimal downtime.

VStream - Video Streaming Platform | *ReactJS, TailwindCSS, Docker — GitHub*

Sep. 2022 - Dec. 2022

- Developed a video streaming website** integrated with the YouTube API, enabling access to **1 million+** videos and ensuring smooth playback
- Implemented a live chat feature using API polling**, supporting real-time engagement with **minimal latency**
- Optimized search functionality** with caching and debouncing techniques, reducing search time
- Implemented a nested comment feature**, allowing seamless conversation threads
- Used **Docker** to containerize the application, simplifying deployment and scaling.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, ,CSharp, Bash

Frameworks: React, Node.js, TailwindCSS, Material-UI, Spring

DevOps and Cloud Tools: Docker, Kubernetes(GKE), Google Cloud Platform, CI/CD Pipelines, YAML

Libraries: pandas, NumPy, Matplotlib

CERTIFICATIONS

Jenkins Devops CI/CD Pipeline Bootcamp: Certificate

NodeJS: Certificate

EXTRA CURRICULAR

President | *UVCE Prathibimba*

Jan. 2023 – Jun 2024

- Led a team of 30 members in organizing and executing art and photography events.

Organiser | *TEDxUVCE*

August. 2022 – March 2023

- Organised TEDxUVCE 2023 edition

Vice Captain | *Iron Mountain Sports Team*

April 2024 – Present

- Led strategic planning and organized practice sessions for team members.