Komal Reddy Koukuntla

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY
BTech in Computer Science
2024 | Imphal,Manipur
Cum. GPA: 9.43 / 10.0

SRI CHAITANYA JUNIOR COLLEGE
Intermediate
2020| Hyderabad, Telangana
Percentage : 97.6

SRI CHAITANYA TECHNO SCHOOL
10th Standard
2018| Hyderabad, Telangana
Cum. GPA: 10.0 / 10.0

LINKS

LinkedIn:// **komalreddyk**
Github:// **komalreddy3**
Leetcode:// **koukuntlakomalreddy3**
GeeksForGeeks://
koukuntlakomalreddy3
CodeStudio:// **komalreddyk**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Object Oriented Programming
Operating Systems
Database Management System
Computer Networks
Information Storage and Retrieval

SKILLS

C • C++ • Go • Python
HTML • CSS • JavaScript
Machine learning • Competitive
Programming •PgSQL
Linux •Bash Scripting
Familiar:
Docker • Kubernetes• Helm

TOOLS AND FRAMEWORKS
VSCode • Git and GitHub
NumPy • Pandas • Scikit-Learn •
Matplotlib • SciPy • Seaborn
Bootstrap • jQuery •ReactJS
Familiar:
NodeJS • ExpressJS• MongoDB

EXPERIENCE

DEVTRON INC | SDE Intern | 01/2024 - 05/2024 (Gurgaon,India)

- Developed and optimized APIs using Go, enhancing Devtron's CLI with commands for managing update, deletion, and notification settings
- Implemented a NATS Pub-Sub model as middleware, facilitating seamless communication between orchestrator and notifier components, reducing message latency by 30 percent
- Led the development of an auto-remediation system in Go, incorporating a watcher mechanism to monitor Kubernetes events, resulting in atleast 50 percent reduction in manual intervention

INNOMATICS RESEARCH LABS | Data Science Intern | 02/2023 - 05/2023 (Remote)

- Worked on projects like URL Shortener, Regex Matcher and many case studies like dominoes delivery, laptop pricing.
- Developed a Movie Recommendation System in a team of 6 members using Collaborative Filtering , deployed via Streamlit

PROJECTS

ATTENDANCE MANAGEMENT SYSTEM link: Attendance Management System

- Developed a School Attendance Management System using Golang and React JS .Employed Zap sugared logger for efficient logging
- Implemented microservices architecture with RESTful APIs using Gorilla Mux for routing,Postgresql as the database,JWT token for authentication and authorization
- Utilized Kubernetes for container orchestration, integrated with Devtron using Helm charts.

MOVIE RECOMMENDATION SYSTEM | Major Project
Link : Movie Recommendation System - Collaborative Filtering

- Led a team of 6 members as Project Manager in developing Movie Recommendation System using Collaborative Filtering, Achieved accuracy score of 97.47 percent using content based recommendation
- Hosted the system on Streamlit open-source app framework after assessing the pros and cons of popularity and content-based approaches

PORTFOLIO WEBSITE link: portfolio-komalreddyk

- Designed and developed a personal portfolio website using ReactJS with Boxicons and Unicons for modern iconography.
- Hosted using Github Pages

ACHIEVEMENTS

CODING

- Contest rating of 1622 on Leetcode, Top 19.26 percent on Leetcode
- *Position of Responsibility* Teaching Assistant for Course : Intro to C++ and Datastructures in C++