

# 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 • PostgreSQL  
Linux • Bash Scripting  
Familiar:  
Docker • Kubernetes • Helm

### TOOLS AND FRAMEWORKS

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

## EXPERIENCE

### APPZOY | SOFTWARE ENGINEER | 07/2024 - PRESENT (BANGALORE,INDIA)

- Developed and implemented key features in a secure medical records web app (SVAIM), including patient notes and report templates, enhancing collaboration between healthcare practitioners.
- Utilized ReactJs, NodeJs, and DICOM to create efficient, user-friendly interfaces, delivering improvements in web app.

### DEVTRON INC | SDE | 06/2024 - 06/2024 (GURGAON,INDIA)

- 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 at least 50 percent reduction in manual intervention

### 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

## PROJECTS

### ATTENDANCE MANAGEMENT SYSTEM [LINK: ATTENDANCE MANAGEMENT SYSTEM](#)

- Developed a School Attendance Management System using Golang and React.js, employing Zap sugared logger with RESTful APIs, Gorilla Mux for routing, and PostgreSQL as the database.
- Implemented JWT-based authentication and authorization, utilizing Kubernetes for container orchestration and integrated with Devtron using Helm charts for streamlined deployment.

### 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. 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++