

Samarth Chauhan *Software Engineer*

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Work Experience

Employee Forums

Flutter Developer Intern

- Optimized app performance by identifying and resolving critical bottlenecks.
- Enhanced overall UX/UI design, aligning layouts and interactions with user.
- Developed reusable components, streamlining code maintainability and reducing development time for future features

Nov 2024 – present
Remote - Mumbai

Xingoda

Flutter Developer Intern

- Integrated Firebase and RazorPay payment gateway, worked on various app modules.
- Improved skills in state management, API integration, third-party libraries and gained proficiency in Git.

May 2024 – Aug 2024
Remote - Bangalore

Education Qualification

Bachelor of Technology (B.Tech) - Information Technology

Charotar University of Science and Technology

Oct 2022 – Present
Anand

Higher Secondary Certificate (CBSE)

Shri Ramkrishna HariKrishna Academy

2020 – 2022
Surat

Technical Skills

Languages: Golang | Python | Dart | C/C++

Developers Tools: Git | Docker | Linux | Rest API | RabbitMQ | GraphQL | Shell

Frameworks & Tools: Gorilla/Mux | Fast API | FlaskAPI | Flutter | TFLite | BeautifulSoup

Database: SQLite | MySQL | Redis | MongoDB

Projects

Xginx - Load Balancer

Golang, Python

- High-performance **Layer 7** Load balancer in Go with optimized HTTP routing, **session-based routing**.
- Streamlined backend operations, enhancing **scalability** and **fault tolerance**.

VECSS (Video Transcoding System)

Golang, Docker, RabbitMQ, FFmpeg

- Developed a **distributed video processing** platform with **microservices** for uploading, **transcoding (FFmpeg)**, and streaming, ensuring seamless media delivery.
- Built an **auto-scaling** transcoding system that dynamically provisions workers, converts videos into **multiple resolutions** for seamless streaming, using **S3-compatible storage**, and **RabbitMQ**.

End-End Encrypted Messaging App

Flutter, Bloc, Python, FastAPI, MongoDB, SQLite

- **End-to-End encryption Messaging App** leveraging **asymmetric** public-private key pair exchanging.
- **Python Server** to handle multiple clients with **messaging queueing** and notification support.

Achievements

Winner in State Level Poster Competition

Vidush Somany Institue of Technology and Research, Kadi
Won a prize of ₹25,000 as part of a team

Feb 2024

Winner in SCIENCE Manthan

P. D. Patel Institue of Applied Sciences, CHARUSAT

Feb 2024

Position of Responsibility

CP Squad Club, CHARUSAT - Tech Lead

Organized tech contests, managed platforms, and secured sponsorships through company.

Mar 2024 – present

Data Science Club - Core Team

Organized events on Data Science and AI/ML, managing technical aspects.

Sep 2023 – present

Certificates

- Operating System Fundamentals - NPTEL
- Database Management System - NPTEL
- Introduction to Data Structures and Algorithms - NPTEL
- Docker Training Course - KodeKloud