

# Shivank Anchal

## Contact Information

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**GitHub:** <https://github.com/anchalshivank>

## Summary

Experienced Rust developer specializing in asynchronous and concurrent programming. Skilled in backend development, API design, and distributed systems, with hands-on experience in Rust, Actix, and Tokio. A strong communicator, actively involved in agile practices, and eager to embrace new technologies. Fluent in English and knowledgeable in Python and Java.

## Skills

**Languages and Frameworks:** Rust, Actix, Tokio, Python, Java

**Technologies:** Distributed Systems, REST APIs, gRPC, OpenAPI, Protocol Buffers, WebAssembly (Wasm), TCP/UDP Communication, Docker, CI/CD, Redis, Quic

**Platforms and Tools:** Linux, Bash, Git, GitHub, DSA

## Experience

**Backend Developer** — Deloitte

*Sep 2022 - Present*

- Developed microservices and distributed systems with **Rust** and **Actix** on **GCP**, using **Tokio** for optimized asynchronous scheduling.
- Integrated REST APIs and Firebase-based solutions for IoT applications, including chat and wireless communication systems.
- Collaborated in agile workflows, managing production issues, debugging, and ensuring code quality through stand-ups and retrospectives.

**Project Lead Developer** — CaddMan3D

*Oct 2021 - Sep 2022*

- Led IoT projects, connecting microcontrollers to mobile applications using **REST APIs** and **Firebase**, and developed automation systems. <https://www.youtube.com/shorts/ZiCrAMoRbQQ>
- Worked on drone projects, implementing control theory and visualizing gyro-sensor orientation. [https://www.youtube.com/shorts/ynq\\_KB4tbs8](https://www.youtube.com/shorts/ynq_KB4tbs8)
- Automated browser tasks using **Selenium** for enhanced operational efficiency. <https://youtu.be/tXApl7ymE8s>

## Education

**National Institute of Technology, Kurukshetra**

*Bachelor of Technology (BTech), GPA: 7.8*

*Jun 2018 - Jun 2022*

**Colonel's Central Academy, Gurugram**

*XII Class: CBSE, 88.2%*

*2017*

**Lt. Atul Katarya Memorial School, Gurugram**

*X Class: ICSE, 92.6%*

*2015*

## Open Source Contributions

- Contributed to the **Golem** open-source project with asynchronous and network programming (TCP, UDP, HTTP). <https://github.com/golemfactory>
- Implemented server-side events and sockets for real-time communication in **Yagna**.
- Contributed research and documentation to the **Replica** project. <https://github.com/replica-io>
- Participated in the Golem Cloud Bounty-to-Hire challenge, completing PR #1033. <https://github.com/golemcloud/golem/pull/1033>