

Shivank Anchal

Contact Information

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

Education

National Institute of Technology, Kurukshetra
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

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, Nttx, and Tokio. Passionate about blockchain technologies and decentralized systems. Actively mentoring developers in Rust through the **Xorriors Rust Course**.

Skills

Languages and Frameworks: Rust, Nttx, Tokio, Python, Java
Technologies: Distributed systems, REST APIs, OpenAPI, TCP / UDP communication, Docker, CI / CD
Platforms and Tools: Linux, Bash, Git, GitHub, DSA

Experience

Backend Developer — Deloitte *Sep 2022 - Present*

- **Project Merck (Feb 2025 - Present):** Developed a wrapper for **Immuta APIs** to ensure robust data governance across platforms like **Databricks**.
- **Project Kroger (Sep 2022 - Feb 2025):** Built REST APIs using **Rust, GCP, Nttx, Tokio, and Google Spanner** for a task management app.
- 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 apps via **REST APIs** and **Firebase**, enabling automation systems. <https://youtu.be/ZiCrAMoRbQQ>
- Automated browser tasks using **Selenium** for operational efficiency. <https://youtu.be/tXApL7ymE8s>

Open Source Contributions

- Developed a **uTP (Micro Transport Protocol)** library in Rust using **Tokio**. <https://github.com/anchalshivank/rfs-utp>
- Contributed research and documentation to the **replica** project. <https://github.com/replica-io> and **Yagna** by golem-factory
- Participated in the Golem Cloud Bounty-to-Hire challenge, completing PR #1033. <https://github.com/golemcloud/golem/pull/1033>
- Contributing to the design of **ZK-Port**, a privacy-preserving cross-chain asset management hub leveraging zero-knowledge proofs and Rust. <https://github.com/xorriors/zkPort>

Blockchain Experience

- Designed components for **ZK-Port**, enabling private cross-chain transfers using ZKPs and interoperability protocols like IBC and XCM.
- Configured the **Polkadot development environment**, gaining hands-on experience with Substrate and blockchain nodes.
- Explored zero-knowledge proof circuits using **Arkworks** and **Halo2**.
- Actively learning Web3 technologies, including smart contracts, DeFi, and consensus mechanisms.