Krish Rathor

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Education

Netaji Subhas University of Technology	Nov. 2022 – Aug. 2026
Bachelor of Technology in Information Technology	*CGPA: 8.23*
Bharat Mata Saraswati Bal Mandir	**2022**
Class 12th (CBSE)	*Percentage: 84%*
Kasturi Ram International School	**2020**
Class 10th (CBSE)	*Percentage: 92.2%*

Projects

Forekast | *Golang, React, Redis, AWS, WebSockets, Nginx* (Live) (GitHub)   **2025**

- Built a production-grade opinion trading platform supporting real-time market and limit orders with an in-memory orderbook.
- Engineered a Golang order-matching engine with Redis Pub/Sub architecture for low-latency, concurrent execution.
- Implemented WebSocket channels for live orderbook and price graph updates, ensuring instant feedback to users.
- Deployed on AWS with Nginx reverse proxy and Vercel frontend hosting, providing a secure and scalable infrastructure.
- Built modular microservices, enabling independent scaling and easier debugging of critical infrastructure components.

BountyHub | *Solana, GitHub OAuth, Webhooks, React* (Live) (GitHub)   **2025**

- Built a platform to create, manage, and approve bounties on GitHub issues with Solana on-chain payments.
- Integrated GitHub OAuth for user onboarding and repository access, with secure token management.
- Implemented GitHub webhooks to track pull requests automatically, syncing issue status with bounty lifecycle.
- Integrated Solana wallet for direct, secure on-chain approvals; won $100 grant in 100xDev Mini Solana Hackathon.
- Optimized API response times by caching GitHub issue metadata and limiting rate-limited requests.

Askly | *Next.js, tRPC, WebSockets, Turborepo* (Live) (Github-Sockets) (GitHub)   **2025**

- Developed a dynamic quiz platform supporting multiple question formats and real-time multiplayer sessions.
- Implemented WebSocket channels for synchronized quiz states and instant participant updates.
- Used Next.js with tRPC for type-safe backend communication and Turborepo for modular, fast builds.
- Designed extensible question formats, enabling rich, customizable quiz creation for varied use cases.
- Added admin dashboard to manage quizzes and analyze participant results using simple analytics charts.

Technical Skills

Languages & Frameworks: Golang, TypeScript, JavaScript, React, Next.js, Node.js, Bun, tRPC
Architecture & Messaging: WebRTC, WebSockets, Redis Pub/Sub, Kafka, OAuth, Webhooks
DevOps & Deployment: Docker, AWS (EC2, S3, CloudFront), Nginx, CI/CD, Turborepo

Achievements

Technical and Academic Achievements

- Won $100 in 100xDevs Mini Solana Hackathon organized by Superteam India for building BountyHub.
- NTSE Scholar - 2020.
- Completed multiple production-ready SaaS projects demonstrating advanced skills in real-time systems and blockchain integration.