

# RISHABH KUMAR CHOUDHARY

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rishabhxchoudhary.com · CodeChef (4★, 1870) · Codeforces ·

## Education

**Netaji Subhas University of Technology**

*B.Tech. in ECE with specialization in IoT (CGPA: 7.8)*

**May 2021 – May 2025**

*New Delhi, India*

**Delhi Public School, Rohini**

*Class XII (Percentage: 96.2%)*

**May 2020 – May 2021**

*New Delhi, India*

**Delhi Public School, Rohini**

*Class X (Percentage: 92.7%)*

**May 2018 – May 2019**

*New Delhi, India*

## Experience

**ContraVault AI**

*Founding Engineer (Full-time)*

*Bengaluru, Karnataka*

**March 2023 – Present**

- Designed and scaled **backend APIs** with **server-side caching**, **SQS queues**, and **SSE streaming**, enabling real-time updates for **22k+** daily tenders.
- Operated **AWS infrastructure** (ECS, Lambda, Step Functions, IAM, S3, CloudWatch) with security controls aligned to **SOC 2**, **GDPR**, and **ISO 27001**.
- Integrated **OpenSearch** for fast document retrieval and **DynamoDB single-table design** for scalable, fault-tolerant data modeling.
- Built services in **Python (FastAPI)** and contributed to frontend dashboards (**React + TypeScript**); delivered end-to-end APIs with a credit-based free/paid access model.
- Advocated engineering excellence: **type-safe contracts**, **unit/integration tests** (**Pytest/Jest**), and structured observability (logs, metrics, alerts).

**Full Stack Web Developer Intern | InGelt**

**Feb – Mar 2024**

- Built production features on the **MERN** stack, focusing on **API design**, **performance**, and responsive UX.

## Projects

**Environment Initiative App | MongoDB, Express.js, React.js, Docker**

- Built a containerized platform with user profiles, posts, and tracking; deployed with **Docker**, emphasizing **modular services**, **auth**, and **scalable data models**.

**ShopWise | Next.js, NextAuth, TypeScript, Tailwind CSS, Stripe, MongoDB**

- Implemented **secure Stripe payments**, checkout, and order lifecycle with robust error handling; **typed** components and API routes for reliability.

**Speed Read Pro | Next.js, TypeScript, React, Tailwind CSS**

- Developed an interactive speed-reading web app with **real-time rendering** and adjustable pacing, including natural pauses on punctuation.

## Skills

<b>Programming:</b>	<b>Java (Spring Boot)</b> , <b>Go</b> , <b>C++</b> , Python, TypeScript, JavaScript (ES6+), LaTeX
<b>Backend:</b>	Distributed Systems, REST APIs, SSE, <b>SQS</b> , <b>OpenSearch/Elasticsearch</b> , Caching (Redis)
<b>Databases:</b>	DynamoDB (single-table design), PostgreSQL, MySQL, MongoDB
<b>Cloud/DevOps:</b>	AWS (ECS, Lambda, Step Functions, IAM, S3, CloudWatch), Docker, Kubernetes, Nginx, Linux
<b>Frontend (Secondary):</b>	React.js, Next.js, Tailwind CSS, Socket.IO
<b>Testing/Quality:</b>	Jest, Pytest; CI/CD and type-safe development practices

## Achievements

- CodeChef 4★ (1870)**; former competitive programmer with a YouTube channel on algorithms/problem solving.
- Best Project Award in **Blockchain** at HackNSUT (Team Keyboard Warriors).
- Ranked in the **top 30 of 3,548 teams** at Innerve Hacks 2022 (Team Rocket).
- Explored backend stacks (Java, Go, AWS SQS/OpenSearch) through personal projects and hackathons.