Rajat Shubhra D. Kumawat

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EDUCATION

- **Kalinga Institute of Industrial Technology**   Bhubaneswar, India
  Bachelor of Technology - Computer Science & Systems Engineering, CGPA: 8/10   *Aug 2023 - Expected July 2027*
  - *Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Mathematics, Computer Organization & Architecture, DBMS, Operating Systems, AI, ML, Cloud Infrastructure Management Services*

- **Rainbow School**   Jaipur, India
  All India Senior School Certificate Examinations   *2023*

PROJECTS

- **ArtisanConnect: Full-Stack E-commerce Platform**: Developed a comprehensive MERN stack application to create a marketplace for local artisans, enabling them to manage their digital storefront and connect with customers.
  - Engineered a secure RESTful API using Node.js and Express.js, featuring token-based authentication (JWT) and password hashing (bcrypt) to manage user, product, and order data in MongoDB.
  - Designed a responsive user interface with React, leveraging Redux for predictable state management of the shopping cart and user sessions.
  - Implemented a seller dashboard with Chart.js to provide artisans with data visualizations of their sales analytics and inventory status.
  - Containerized the full-stack application using Docker and orchestrated the deployment pipeline to AWS, ensuring a scalable environment.

  Technologies: *JavaScript, React.js, Redux, Node.js, Express.js, MongoDB, JWT, Docker, AWS, Git*

- **TravelWise API: Backend Aggregator Microservice**: Architected a backend microservice in Python to provide a unified trip-planning endpoint, aggregating real-time data from disparate third-party travel and weather APIs.
  - Engineered the service to perform concurrent, asynchronous calls to multiple external REST APIs using FastAPI and httpx, efficiently gathering data without blocking.
  - Implemented a Redis caching layer to persist recent search results, slashing average response times by an estimated 60% and minimizing calls to rate-limited services.
  - Designed a flexible data access layer offering both a standard RESTful interface and a GraphQL endpoint, allowing clients to request only the specific data fields needed.
  - Containerized the service using Docker and deployed on Google Cloud Run, creating a scalable, serverless solution for handling variable traffic loads.

  Technologies: *Python, FastAPI, GraphQL, Redis, Docker, Google Cloud Platform (GCP), REST APIs, Git*

SKILLS SUMMARY

Languages	**C++**, Java, Python, JavaScript
Frameworks & Libraries	React.js, Node.js, Express.js, FastAPI
Databases & Caching	MongoDB, Redis
Developer Tools	Git, Docker, AWS, Google Cloud Platform (GCP)

ACHIEVEMENTS

- **Codeforces Pupil (1362 Rating);** Achieved Global **Rank 678** out of 25,000+ in **CF Round 1017 (Div. 4)**, 2025.

- **CodeChef 3-Star (1701 Rating);** Achieved Global **Rank 739** in **Starters 190 (Div. 2)**, June 2025.

- **AtCoder;** Achieved Global **Rank 3013** in **Mirrativ Programming Contest 2025 (ABC 414)**, July 2025.

- Secured **2nd place** among 150 participants in **Algo Arena**, a college coding event.

- **Solved 1000+ problems** across platforms like Codeforces, CodeChef, and HackerRank.

- Actively participated in over **100+ competitive programming contests.**