

Rishika Agarwal

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Portfolio

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** 2022-26
Centurion University of Technology and Management, Bhubaneswar CGPA: 9.31
- **CBSE-12th Science** 2020-22
Carmel English Medium School, Khordha Percent: 96.2

EXPERIENCE

- **Freelance Software Developer** Feb- March 2025
Bitinfo Technology (Remote) Surat, Gujarat
– Developed and deployed features for a real-estate platform using the MERN Stack.
– Collaborated with a cross-functional team and build UI-UX.
- **DSA Mentor Intern** May – June 2025
Centurion University (On-site) Bhubaneswar, Odisha
– Guided fellow students in DSA through GFG LMS and doubt solving sessions.
– Delivered structured content and peer mentoring as part of the placement training program.

PERSONAL PROJECTS

- **NextDeploy** - *Next.js, Express.js, AWS, Docker, Redis, Kafka, PostgreSQL* **NextDeploy**
– Developed a cloud deployment platform using **AWS ECS, ECR, and S3** for seamless app deployments.
– Implemented **Firebase** authentication, **real-time log streaming** via **Redis & WebSockets** and live analytics dashboards powered by **Kafka** streams.
- **ExpenseTracker** – *React.js, Express.js, BullMQ, Redis, MongoDB* **ExpenseTracker**
– Built an expense management app with **multicurrency** support (200+ live rates).
– Implemented **OTP**-based auth, Smart threshold budget alerts using **BullMQ**, personalized preferences, and real-time **analytics** using Recharts.
– Optimized performance with **Redis** TTL + DB fallback achieving 75% faster responses and 66% fewer queries.
- **StudyNotion** – *React.js, Express.js, Node.js, MongoDB, Razorpay, Gemini* **StudyNotion**
– Built an interactive **e-learning** platform supporting students, instructors, and admin dashboards.
– Includes **AI** ChatBot for doubts, **Course** management, **Payment** gateway, **Cloudinary** for media hosting.

TECHNICAL SKILLS

- **Languages:** C++, Java, Python
- **Web/Frameworks:** React.js, Next.js, Node.js, Express.js, Angular, Spring Boot, Tailwind
- **Databases & Tools:** MongoDB, MySQL, PostgreSQL, Redis, GraphQL, Kafka, Docker, AWS, Git, Postman
- **Core Skills:** DSA, OS, OOPS, DBMS, CN, System Design

EXTRA-CURRICULAR

- **Hackathons:**
Innothan – IIIT Bhubaneswar (2025)
CodHer – Anna University (2025)
- **Open Source:** GSSoc Ext. 2024