RUDRA NARAYAN SAHOO

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TECHNICAL SKILLS

Languages:	C, C++, JavaScript, Python, Shell, SQL
Frontend:	HTML, CSS, React.js, Redux, Django Templates
Backend:	Celery, Django, Django REST Framework, FastAPI, WebSockets
Databases:	MongoDB, MySQL, PostgreSQL, Redis
DevOps & Cloud:	AWS, Docker, GitHub Actions, Kubernetes, Render
Developer Tools:	Git, GitHub, Linux, Postman, VS Code
Soft Skills:	Communication, Event Management, Team Leadership, Technical Mentoring

PROJECTS

MOK ↗ | **Django, React, PostgreSQL, Redis, Celery, JWT** — Apr 2025

- Built a competitive typing platform featuring multiplayer rooms, user stats, and leaderboards.
- Implemented secure user flows with **JWT-based authentication** and email verification.
- Integrated **Redis caching** at application and URL level to improve response time.
- Used **Celery** for background tasks such as **email notifications** and session tracking.
- Optimized **Database queries** and indexing to support high user activity during peak hours.

MurffyLab ↗ | **FastAPI, React, OpenAI, OCR, Twilio, Murf API** — June 2025

- Built a lab-report assistant that extracts results via **OCR** and summarizes them with **OpenAI**.
- Implemented **text-to-speech conversion** and **multilingual support** with **Murf API**, enabling accessibility for diverse users.
- Developed responsive UI with React and integrated **Twilio** for **SMS/call** notifications.

Blogbuster ↗ | **React, Appwrite, Tailwind CSS, Redux Toolkit, TinyMCE** — Dec 2024

- Built a full-stack blog platform supporting post creation, editing, and media uploads with **React** and **Appwrite**
- Implemented user authentication with signup, login, and session handling via **React Router** and **Redux Toolkit**.
- Used **TinyMCE** editor and **Appwrite Storage** for rich text editing and media integration.
- Connected with Appwrite **REST APIs** for data persistence, file access, and user-specific permissions.

ACHIEVEMENTS

- Achieved the **Knight** badge on LeetCode with a peak rating of **1872**.
- Ranked **763** globally in a LeetCode contest out of **27,000+** participants.
- Solved over **900 problems**, ranking in the **top 6% globally** on LeetCode.
- Co-organized **10+ competitive programming contests** under SWITCH Coding Club.
- Conducted peer-learning sessions and mentored juniors in DSA and CP, guiding **50+ students**.

KEY COURSES TAKEN

Core CSE: Data Structures, Algorithms, OOPs, Computer Networks, Operating Systems, DBMS

EDUCATION

Silicon University — Nov 2022 - May 2026
*B.Tech in Computer Science and Engineering - **CGPA: 9.40*** — *Bhubaneswar, India*

POSITION OF RESPONSIBILITY

Silicon Wing of Innovation and Technical Coding Hub (SWITCH) ↗ — **Aug 2023 - Present**
Joint Event Coordinator | Problem Setter

NIRMAN Tech-fest ↗ — **Aug 2024 - Mar 2025**
Technical Core Member