

# RUDRA NARAYAN SAHOO

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## TECHNICAL SKILLS

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

## PROJECTS

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**MOK**  | Django, React, PostgreSQL, Redis, Celery, JWT Mar 2025 - Apr 2025

- Built a **multiplayer typing platform** enabling **competitive sessions** and **live performance tracking** using **Django REST Framework** and **React**.
- Integrated **JWT authentication** with email verification and implemented **scalable REST APIs**.
- Used **Celery** and **Redis** for **async tasks** such as email notifications and stats tracking; optimized **PostgreSQL queries** for concurrent user load.

**MurffyLab**  | FastAPI, React, OpenAI, Twilio, OCR, Text-to-Speech, Multilingual, Murf June 2025

- Engineered a **medical AI application** that **extracts** and **analyzes** lab reports using **OCR**, **LLM integration**, and **FastAPI microservices**.
- Implemented **text-to-speech conversion** and **multilingual support** with **Murf API**, enabling accessibility for diverse users.
- Developed **responsive UI** with **React 18** and integrated **Twilio** for **SMS/call notifications**, creating a **full-stack healthcare solution**.

**Blogbuster**  | React 18, Appwrite, Tailwind CSS, Redux Toolkit, TinyMCE Dec 2024

- Developed a **full-stack blog platform** with **CRUD** post operations using **React 18**, **Vite**, and **Appwrite**, with **TinyMCE** editor and Appwrite Storage for media uploads.
- Implemented **secure authentication** (signup, login, sessions) with **protected routes** via React Router and global state managed using **Redux Toolkit**.
- Integrated **Appwrite REST APIs** for **data persistence**, **file handling**, and **access control** based on user sessions.

## ACHIEVEMENTS

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- Secured a global rank of **763** in a LeetCode contest among **27,000+** participants.
- Maintained a peak rating of **1850+** on LeetCode.
- Ranked in the **top 6% globally** on LeetCode with over **900 problems solved**.
- Co-organized **10+ competitive programming contests** at SWITCH Coding Club.
- Mentored and conducted peer-learning sessions, positively impacting **50+ students**.

## KEY COURSES TAKEN

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


## EDUCATION

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

## POSITION OF RESPONSIBILITY

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**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*