

# RUDRA NARAYAN SAHOO

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## WORK EXPERIENCE

### MultiLipi

Aug 2025 – Present

*Backend Developer Intern*

- Increased backend script reliability from **60% to 92%**, making page rendering smoother and more consistent for client websites.
- Fixed over **240+ logged errors** in the first two months, which helped stabilize the system and clear a long-standing backlog.
- Added extra security checks on load balancers to block suspicious API calls made using tools like **cURL** or **Python requests**.
- Redesigned parts of the database and improved search filters to handle multiple languages, making the platform more adaptable for global clients.

## TECHNICAL SKILLS

**Languages:** C, C++, JavaScript, Python, Shell, SQL  
**Frameworks:** Django, Django REST Framework, FastAPI, React.js, Redux  
**Databases:** MongoDB, MySQL, PostgreSQL, Redis  
**DevOps & Cloud:** AWS, Docker, GitHub Actions, Kubernetes, Render, Vercel  
**Developer Tools:** Git, GitHub, Linux, Postman, VS Code  
**Soft Skills:** Communication, Leadership, Technical Mentoring

## PROJECTS

### Master Of Keys 🔗 | Django, React, PostgreSQL, Redis, Celery

Aug 2025

- Designed and built a multiplayer typing platform and let users track their progress.
- 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 **async 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**.
- Executed **text-to-speech conversion** and **multilingual support** with Murf API, enabling accessibility for diverse users.
- Applied responsive UI with React and integrated Twilio for **SMS/call notifications**.

## 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 **1000+ problems**, ranking in the **top 5% globally** on LeetCode.
- Recognized as a **National semi-finalist** in the Flipkart GRiD 7.0 competition.

## 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: 9.34*

*Bhubaneswar, India*

## POSITION OF RESPONSIBILITY

### Silicon Wing of Innovation and Technical Coding Hub (SWITCH) 🔗

Aug 2023 - Present

*Event Coordinator | Problem Setter*

### NIRMAN Tech-fest 🔗

Aug 2024 - Present

*Technical Core Member*