

# SUKHARANJAN JANA

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[Email](#) ◇ [LinkedIn](#) ◇ [GitHub](#) ◇

## EDUCATION

Bachelor of Technology, Kalinga Institute of Industrial Technology  
Stream: Information Technology

Expected 2025

## TECHNICAL SKILLS

**Technical Skills:** Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Object Oriented Programming, Database Management Systems, Operating Systems, HTML, CSS, Figma.  
**Languages:** R Script, JavaScript, React, NodeJS, SQL, JAVA, C, C++, Python  
**Tools:** Github, R Studio, VSCode, Adobe Photoshop  
**Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn, Plotly, Seaborn

## EXPERIENCE

Java Development Intern

June 2023 – May 2023

Code Clause

India

- **Java PDF Splitter Tool:** Engineered a robust PDF splitting application using Java and Apache PDFBox, ensuring precise page range splitting with thorough input validation and efficient file handling for enhanced user experience and reliability.
- **URL Shortener Service:** Designed and implemented a scalable URL shortener service leveraging Java and Spring Boot, incorporating efficient database management and RESTful APIs for streamlined URL shortening and redirection functionalities.

## PROJECTS

**Crop Yield Prediction:** Crop yield prediction is an important aspect of agriculture that helps farmers make informed decisions about their crops.

- **Objective:** Estimate crop production.
- **Approach:** Use ML algorithms (e.g., GBM) with Python libraries.
- **Impact:** Precision agriculture enhances yields sustainably. ([Code Link](#))

**Music Player Application:** Developed a Python-based music player application designed to provide a seamless audio playback experience. Worked extensively on the backend to implement features such as play, pause, stop, next, and previous song functionalities. The application also features dynamically updates the currently playing song, enhancing user convenience and experience. ([Code Link](#))

**Pdf-Splitter Application:** Developed a java-based PDF splitting application designed to efficiently divide PDF files into specified page ranges. Worked extensively on the backend to implement features like page input, file handling, and PDF manipulation. Used tech stacks like Apache PDFBox and Java I/O for seamless PDF processing and storage management. ([Code Link](#))

### Practice Projects:

**YouTube-Clone:** I developed a YouTube clone using only HTML and CSS. This project involved creating a responsive layout, complete with a video grid, navigation sidebar, and search box, effectively mimicking the UI of the YouTube platform. ([Link](#))

**Rock-Paper-Scissors Game:** Developed an interactive Rock Paper Scissors game using HTML, CSS, and JavaScript. Implemented user input handling, game logic, score tracking, and UI updates to ensure a responsive and user-friendly interface. ([Code Link](#))

**Amazon-Ecommerce-Clone:** I developed a e-commerce website clone(amazon) using HTML, CSS and JS. It's a fully functional website with responsiveness.

## ACHIEVEMENTS

- ✓ **JAVA Internship (Code Clause) Internship Certificate** ([LOR](#)) ([Link](#))
- ✓ **Fundamentals of Full Stack Development by ExcelR** ([Link](#))
- ✓ **Google Advanced Data Analytics** ([Link](#))
- ✓ **The Nuts and Bolts of Machine Learning** ([Link](#))
- ✓ **Foundations Of Data Science** ([Link](#))
- ✓ **Get Started with Python** ([Link](#))
- ✓ **Regression Analysis: Simplify Complex Data Relationships** ([Link](#))
- ✓ **Introduction to Business Analytics** ([Link](#))

## SKILLS

- Strong organizational and time management skills
- Ability to work independently and as part of a team
- Detail-oriented and able to handle multiple tasks simultaneously