

RAJESH KUMAR JENA

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EDUCATION

International Institute of Information Technology

Bhubaneswar, Odisha

Bachelor of Technology in Computer Science and Engineering, 2nd year

Nov. 2022 – April 2026

Coursework: Design and Analysis, Data Structures, Algorithms, OOP, DBMS, Machine Learning, Deep Learning, Gen AI, Data Science

EXPERIENCE

Summer Data Engineer Intern

May 2024 - July 2024

Celebal Technologies (Remote)

Jaipur, Rajasthan

- During the 2-month internship, I processed large datasets, improving data quality by 30 percent and using **SQL** to provide actionable insights for over 5 projects. I also conducted **Exploratory Data Analysis (EDA)** to uncover critical patterns and trends and collaborated with the analysis team to develop a machine learning model achieving over 90 percent accuracy. Additionally, I developed and deployed 5+ **chatbots** for clients by using **LLM** models like **OpenAI's** and **Gemini Pro**, worked with frameworks like **LangChain**, and used **Python** for various tasks.

PROJECTS

WildfireCatch - Wildfire Detection and Response System | *Django, JavaScript, TensorFlow, SQLite, Azure*

- Implemented a real-time wildfire detection system using **TensorFlow** and **Python** for machine learning model development, integrated with geospatial remote sensing images. Utilized **HTML**, **CSS**, **JavaScript**, **Bootstrap**, **Django**, **MapTiler API**, and **Leaflet.js** for frontend and backend development, enabling dynamic mapping and visual representation of fire locations and safety zones. Integrated **SQLite** for database management and deployed the system on **Azure**.

YouTube Transcribe Summarizer LLM Application | *YouTube Transcript API, Streamlit, GenAI (Gemini Pro)*

- Developed a web application using Streamlit and Python, integrating APIs like the YouTube Transcript API and Google's Generative AI (Gemini Pro). The application extracts transcripts from YouTube videos, summarizes them using a large language model (**LLM**), and presents the summary to the user in real-time.

WhatsApp Chat Analyzer | *Python, Streamlit, Matplotlib, Pandas, WordCloud, Seaborn*

- The WhatsApp Chat Analyzer is built with Python and libraries like **Plotly** and **Pandas**, analyzing chat data for insights such as message frequency, word trends, and emoji analysis. Deployed on **Render** and **GitHub**, it ensures easy access and data privacy, contributing to child safety, parental monitoring, and mental health assessment.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: Streamlit, TensorFlow, Keras, PyTorch, LangChain, Google Gemini Pro, OpenAI

Developer Tools: Git/Github, Azure, Visual Studio, PyCharm, Jupyter, Canva, CodeBlocks

Libraries: pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Others: DBMS, Problem Solving, Project Management, Leadership, Teamwork, Public Speaking, Analytical Thinking

ACHIEVEMENTS

- Selected as one of 300 from over 85,000 applicants in Amazon's ML Summer of School 2024
- LeetCode Knight, Rating: 1831 (700+ questions solved, top 5% worldwide)
- CodeChef 4 Star Coder, Rating: 1887 (250+ problems solved, global contest rank)
- Grand Master at CodeStudio, Rating: 3091 (college topper, achiever badges)
- Campus Ambassador of Microsoft, GeeksForGeeks, NSS IIT Delhi
- Google KickStart Global Rank: 3063
- HACKATHONS: Smart Speedathon (Runner Up), The Innovation (Runner Up), Geekathon (Top 8 out of 60 teams), Hackfest (Top 4 out of 120 teams), GeoHack (Finalist)