# Riya Yadav

riya21csu295@ncuindia.edu
+91 7015942536
Rewari Sub-District

---

**EDUCATION**

**B.Tech, Computer Science & Engineering**
The NorthCap University - Best Engineering University In Delhi NCR
2021 - 2025

**Senior Secondary (XII), Science**
RPS Public School
(CBSE board)
Year of completion: 2021

**Secondary (X)**
DAV Public School
(CBSE board)
Year of completion: 2019

**WORK EXPERIENCE**

**Sales Executive**
SK Groups & Associates, Virtual
Internship • Mar 2024 - May 2024 (2 months)
Built relationships with clients & stakeholders, Led sales pitches, Conceptualized strategies, and Learnt sales process & industry trends.

**Cloud Computing**
Internselite, Gurgaon
Internship • Jun 2023 - Aug 2023 (2 months)
Internship: Built Java web app, led online website project, drove development. Training: 2-month cloud computing course, certified.

**POSITIONS OF RESPONSIBILITY**

Assisted college societies, organized events & activities. Volunteered at Yaton NGO: taught & mentored students/children, organized bhandara events. Gained project management experience & demonstrated social responsibility.

**TRAININGS**

**AWS Cloud Academy Foundations**
Amazon Web Service (AWS), Online
Mar 2023 - Apr 2023
Here is a description of the AWS Cloud Academy Foundations course in about 1000 characters:

"Gain foundational knowledge of Amazon Web Services

(AWS) with this comprehensive course. Learn the fundamentals of cloud computing, AWS services, and best practices. Explore AWS architecture, security, and pricing models. Master essential skills in AWS services such as EC2, S3, and IAM. Prepare for the AWS Certified Cloud Practitioner - Essentials exam and get certified. With hands-on labs and quizzes, you'll be well-prepared to work with AWS and advance your cloud career."

**Database Foundations**

Oracle academy, Online

Feb 2023 - Apr 2023

"Oracle Academy's Data Foundations course introduces students to the fundamentals of data management and analysis. Learn how to collect, organize, and analyze data using Oracle Database and SQL. Master data modeling, data visualization, and data governance. Develop skills in data mining, machine learning, and big data technologies like Hadoop and Spark. This comprehensive course prepares students for Oracle certifications and a career in data science and analytics."

PROJECTS

**Aircraft Maintenance Prediction**

Oct 2023 - Jun 2024

Project: Aircraft Maintenance Prediction
Predictive maintenance system to reduce downtime and costs by 30%. Developed a machine learning model to analyze aircraft sensor data, identifying potential issues before they occur. Trained on 10,000+ hours of historical data, achieving 90% accuracy in predicting maintenance needs. Integration with existing maintenance software for seamless implementation. Real-time monitoring and alerts for proactive maintenance, reducing repair costs by 25%. Enhanced safety and reduced aircraft unavailability by 20%. Improved operational efficiency, reduced fuel consumption, and decreased environmental impact.

**Hand Sign Recognition**

Mar 2024 - May 2024

Project: Hand Sign Recognition System
Objective: Recognize and classify various hand signs for controlling devices and accessing information using machine learning.

Key Features:

Real-time hand sign recognition with computer vision and machine learning
Classify 20+ common hand signs for navigation, control, and communication
Integration with wearable devices or smart glasses for seamless interaction
Real-time feedback and accuracy monitoring for continuous improvement
Technical Requirements:

High-resolution camera for accurate imaging
Machine learning model trained on large dataset of labeled hand signs
Advanced algorithms for noise reduction and error correction
Benefits:

Enhanced accessibility for individuals with disabilities
Increased convenience and efficiency in various settings

**Research paper**

Jan 2024 - May 2024

Topic: Dynamic Workload Prediction in a changing cloud environment and allocate resources in real-time

This research paper presents a predictive system that forecasts and adapts to changing workloads in cloud environments. Using machine learning algorithms and real-time monitoring, it predicts future workload fluctuations, allocating resources optimally to ensure efficient utilization, minimize latency, and improve overall performance. This innovative approach reduces resource waste, improves scalability, enhances user experience, increases system reliability, and enables proactive decision-making for better cloud resource management.

SKILLS

**C++ Programming**
Intermediate

**Sales**
Advanced

**Python**
Intermediate

**Java**
Intermediate

**MongoDB**
Intermediate

**Problem Solving**
Intermediate

**Cloud Computing**
Advanced

**Lead Generation**
Advanced

**Research and Analytics**
Intermediate

**Canva**
Intermediate

**Data Structures**
Intermediate

**Database Management System (DBMS)**
Intermediate

**Effective Communication**
Advanced

**Email Marketing**
Intermediate

**Facebook Ads**

Advanced

**Instagram Marketing**

Advanced

**Machine Learning**

Intermediate

**MS-Office**

Intermediate

**MS-Word**

Advanced

**English Proficiency (Written)**

Advanced

**MySQL**

Intermediate

**Amazon Web Server (AWS)**

Intermediate

**Hindi Proficiency (Spoken)**

Advanced

**Digital Marketing**

Advanced

**Natural Language Processing (NLP)**

Beginner

**MS-PowerPoint**

Intermediate

**Social Media Marketing**

Advanced

**English Proficiency (Spoken)**

Intermediate

**Amazon Web Services (AWS)**

Advanced