

Rachit Kumar Singh

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SUMMARY

Aspiring **Data Science Intern** with hands-on experience in **data analysis, machine learning, and statistical techniques** gained through a Data Science and Machine Learning internship. Proficient in applying **data-driven methodologies**, feature analysis, and model development to solve real-world problems. Seeking a **Data Science Internship at Accenture** to contribute analytical skills, quantitative thinking, and applied machine learning to deliver impactful business insights.

EXPERIENCE

Java Intern

Navodita Infotech

April 2024 - June 2024

- Developed an **Employee Management System** as part of a collaborative team project.
- Gained hands-on experience in **software development**.

PROJECT

Fresh ScanX

Personal Project • freshscanx-frontend.onrender.com/ • December 2025 - January 2026

- Developed Fresh ScanX, an AI-based fruit freshness detection system using deep learning (CNN).
- Implemented data pre-processing, image augmentation, and class balancing to enhance model performance.
- Trained and fine-tuned models with hyperparameter optimization for accurate classification.
- Enabled real-time predictions using mobile camera capture and image upload functionality.

Smart Movie Recommendation

Personal Project • smart-movie-recommendation.onrender.com/ • November 2025 - December 2025

- Developed an industry-grade hybrid movie recommendation system delivering personalized user recommendations.
- Integrated collaborative filtering (user-item interaction modeling) with content-based similarity algorithms.
- Applied the MovieLens 100K dataset following a real-world recommendation system pipeline.
- Engineered an industry-grade hybrid recommendation engine by integrating collaborative filtering and content-based methods, optimizing personalized recommendations for diverse user preferences.

Sugar Sense (Diabetes Detection)

Group Project (USC Hack-a-bot Event) • sugar-sense.onrender.com/ • November 2025 - November 2025

- Developed a diabetes risk prediction web application using Machine Learning and PyTorch.
- Implemented data preprocessing pipelines with feature scaling and label encoding.
- Built a Flask-based REST API for real-time model inference.
- Containerized and deployed the application using Docker on Render.com for production use.

EDUCATION

B.Tech CSE

KIIT University • Bhubaneswar • 2026 • 8.38

CERTIFICATIONS

Data Analytics Job Simulation

Deloitte Australia • 2025

- Performed hands-on data analysis and forensic analytics tasks.
- Gained practical exposure to data-driven decision making in a consulting environment.
- Strengthens profile for Data Analytics, Data Science, and AI/ML internships and roles

Virtual Internship Program in Cybersecurity

Cisco Networking Academy • 2025

- Built strong awareness of **data security, privacy, and governance** in enterprise environments.

- Applied **analytical thinking and pattern recognition** to security-related problem scenarios.
 - Strengthened foundation for **secure data science and machine learning workflows**.
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INVOLVEMENT

Technical Team member & Volunteer

KIIT UNIVERSITY, Bhubaneswar • IEEE Ctsoc & Cis Society • September 2025 - January 2026

- Served as **Volunteer and Technical Team Member** at the IEEE 23rd OITS International Conference.
 - Assisted in **technical coordination and research paper publication workflows**.
 - Contributed to **conference management and academic process execution**.
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SKILLS

Languages : Java, Python.

Core Skills : Machine Learning, Statistics, NLP

Libraries : Pandas, NumPy, Scikit-Learn

Frameworks : Flask, FastAPI

Tools : Tableau
