

AYUSH CHOUHAN



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[LinkedIn](#)



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Education

RV College of Engineering

B.E. in Artificial Intelligence and Machine Learning

Nov 2022 – Aug 2026 (Expected)

CGPA: 8.54/10

Work Experience

ARTPARK-IIISC | Data Science Intern

Jul 2025 – Present

- Built a data standardization tool to convert raw datasets into a structured format, cutting cleaning time by **30%**.
- Engineered phonetic and fuzzy matching algorithms, correcting **95%+** of name and spelling inconsistencies.
- Mapped 10K+ entries to standardized region IDs via automated validation scripts.
- Designed a JSON-based replacement log enabling **90% repeatable** auto-fixes for recurring data errors.

SWAN Sorter | Project Intern

Oct 2024 – Jul 2025

- Integrated deep learning into rice grain sorting, boosting accuracy from 60% to **88%**.
- Fine-tuned object detection with autoencoders, achieving **90% precision** and **30% faster** inference.
- Optimized **Gaussian mixture probabilistic model** and **HSV**(Hue-Saturation Value) to reach **95% sorting efficiency** for grain size and color.

WeWin Technologies | Software Development Intern

Mar 2025 – May 2025

- Developed AI-powered WhatsApp chatbot + mobile app, reducing consultation booking delays by **40%**.
- Integrated multilingual NLP for **7+ Indian languages**, expanding reach to various potential users.
- Created voice-based navigation for visually impaired users
- Structured a pipeline for generating queries to retrieve data from the database automatically.

Projects

Sentiment Analysis and Sarcasm Detection for Online Reviews

Jun 2024

- Built sentiment analysis model with Google's RoBERTa achieving over 90% accuracy.
- Implemented sarcasm detection with 80% accuracy to improve sentiment classification.
- Used **VADER** for lexicon-based sentiment analysis to handle short and informal reviews.

AI Finance Tracking System

Feb 2024

- Developed AI finance tracker for monitoring investments, expenses, and goals, improving savings up to 20%.
- Deployed real-time database for accurate financial tracking.
- Created AI chatbot to analyze spending and suggest optimizations.

Volunteer Experience

DHI Club of RVCE | Technical Core Member (NEXUS)

Dec 2023 – Present

- Organized a Datathon with 200+ participants.
- Designed event materials and datasets to boost engagement.

Additional

- **Technical Skills:** Python (Intermediate, ML, Neural Networks, RAG, LLMs), C++ (150+ Code 360, 100+ LeetCode), SQL.
- **Certifications:** Supervised Machine Learning (Coursera), Advanced Learning Algorithms (Coursera), Introduction to Operating Systems (NPTEL).
- **Awards:** 3rd Place Coding Contest (Newton School), 2nd Place Business Intelligence Lab for AgroTrade idea.