Rajasva Choudhary
AI/ML Engineer | Generative AI & Automation Enthusiast

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PROFESSIONAL SUMMARY

Final-year B.Tech Information Technology student with hands-on experience in Machine Learning, Deep Learning, Generative AI, and AI workflow development. Experienced in building ML/DL models, automation systems, and AI-powered solutions using Python, Docker, TensorFlow, PyTorch, Scikit-learn, APIs, and modern AI tools. Worked on research-oriented projects involving LSTM, Bi-LSTM, CNN, SciBERT Transformers, XGBoost, Gradient Boosting, and model fine-tuning. Strong problem-solving mindset with leadership experience, startup-oriented execution skills, and a passion for building scalable AI systems and workflows.

EDUCATION

Degree	Institution	Year	Details
B.Tech in Information Technology	Government Engineering College, Ajmer	2022 – 2026	CGPA: 7.64
12th Standard (CBSE)	Senior Secondary Education	2022	71%
10th Standard (CBSE)	Secondary Education	2020	73%

TECHNICAL SKILLS

Programming &Development: Python, APIs, Backend Logic
AI/ML & Deep Learning: Scikit-learn, TensorFlow, PyTorch, CNN, LSTM, Bi-LSTM, SciBERT Transformers, XGBoost, Gradient Boosting, Random Forest, SVM, KNN, Model Training & Fine-tuning
Generative AI & Automation: OpenAI APIs, Prompt Engineering, AI Workflows, AI Automation, Retrieval Workflows
Tools & Platforms: Docker, Git, GitHub, Linux, Streamlit, MongoDB, React, Node.js
Soft Skills: Problem Solving, Leadership, Fast Learning, Team Collaboration, Startup Execution Mindset

EXPERIENCE

MachineLearning& Generative AI Intern — Linux World, Jaipur (June 2025 – August 2025)

- WorkedonMachine Learning and Generative AI projects with hands-on implementation of ML/DL models and AI systems.
- Builtandexperimented with AI workflows, automation pipelines, APIs, and scalable AI solutions.
- Gainedpractical exposure to model training, preprocessing, fine-tuning, deployment concepts, and containerized workflowsusing Docker.
- Collaborated on real-world AI implementations using Python and modern ML/DL libraries.

PROJECTS

YOLOv11Custom UI Components Detection System

Built and trained a custom YOLOv11 object detection model for UI component detection and automation workflows. Implemented preprocessing, annotation pipelines, and deep learning optimization techniques for improved detection accuracy.

Dockerized Machine Learning Pipeline

Developed and containerized machine learning applications using Docker for portability and reproducibility. Applied MLOps concepts for environment consistency and scalable deployment workflows.

LSTM & Deep Learning Research Implementations

Worked on research-oriented ML/DL implementations involving Transformer models,
XGBoost, and Gradient Boosting techniques. Contributed to model training, experimentation, hyperparameter tuning, and optimization workflows for academic and research use cases under confidentiality constraints.

AI-Powered Portfolio & Workflow Experiments

Built and experimented with modern AI-integrated applications, automation workflows, portfolio systems, and backend integrations using Python, APIs, React, Streamlit, and AI tools.

Research Paper Domain Prediction & AI Research Assistant

Built a research paper domain prediction system using SciBERT, CNN, LSTM, and Bi-LSTM.
Trained on the arXiv dataset for multi-class classification.
Integrated an LLM-based chat assistant for paper summarization and question answering.

LEADERSHIP & ACHIEVEMENTS

- Participated in Arya Hack Verse 2.0 Hackathon, contributing AI-related services and workflow ideas for the project team.
- Led multiple college project teams and coordinated technical and non-technical event management activities.
- Organized and managed college events including competitive activities such as arm wrestling competitions.
- Active GitHub contributor with strong interest in AI engineering, automation systems, and scalable product development.