

# DHARYATRA CHAUHAN

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## EDUCATION

### BML MUNJAL UNIVERSITY

B. Tech in Computer Science

Gurugram, Haryana

September 2024

## EXPERIENCE

### NEXGEN AI SOLUTIONS

Machine Learning Engineer

Remote

May 2025 – Present

- Engineered a command-line interface (CLI) scaffolding using Typer for managing Model Context Protocol (MCP) servers within the Conda ecosystem, streamlining server deployment and reducing setup time by an estimated 30%.
- Developed a plugin architecture to seamlessly integrate 2 core features (natural language processing via conda assist, MCP server management via conda mcp commands) into the core Conda CLI tool, enhancing extensibility.
- Implemented core logic for the conda assist feature, enabling users to interact with Conda functionalities via natural language queries and translating user intent into actionable command suggestions for over 15 common Conda operations.
- Designed and implemented robust error handling and reporting mechanisms for Conda subprocess interactions within the SDK, improving debuggability and reducing issue resolution time by ~20%.

### VSURE CONSULTANCY SERVICES

Machine Learning Engineer

Mumbai, Maharashtra

March 2024 – Nov 2024

- Led a data extraction project to improve financial data processing efficiency, utilizing advanced machine learning techniques, feature extraction, and data mining, reducing manual entry time by 50%.
- Developed a machine learning model to extract and process data from bank statements, employing data preprocessing techniques to improve accuracy by 30%.
- Collaborated with cross-functional teams to integrate the machine learning solution into the existing data analysis pipeline, enhancing processing speed by 30% and accuracy by 25%.

### BENCITI TECHNOLOGIES

Software Development Intern

Bangalore, Karnataka

May 2022 – Jul 2022

- Pioneered the development and testing of 'NUDGE,' an innovative platform for solving mathematical problems, leveraging software development principles to enhance product efficiency by 40% and reduce error rates by 25%.
- Engineered key functionalities of the platform using C++, JSON, and object-oriented programming techniques, increasing processing efficiency by 40% and significantly improving programming skills.
- Conducted extensive testing and debugging, reducing error rates by 20% and enhancing the platform's reliability and performance. Documented development processes, reducing onboarding time for new developers by 15%.

## PROJECTS

### LLM-based Resume Evaluator and JD Matcher

Jul 2025 – Aug 2025

- Built a GenAI app using OpenAI GPT-4 API to evaluate resumes against job descriptions and generate improvement suggestions.
- Engineered prompt templates to extract resume alignment score, missing keywords, and tone inconsistencies with 85% feedback accuracy.
- Deployed an interactive Streamlit interface using LangChain and Docker for real-time usage by 10+ users.
- Integrated retrieval-augmented generation (RAG) to support querying company-specific job requirements.

### Fake News Detection using NLP and ML

Mar 2025 – Apr 2025

- Developed an end-to-end ML pipeline to classify fake vs real news on a 20K+ article dataset using TF-IDF and XGBoost.
- Benchmarked multiple models (LogReg, RF, XGBoost), achieving 93% F1-score on a stratified test set.
- Optimized preprocessing with lemmatization, custom stopword sets, and n-gram tuning to boost generalization.
- Evaluated model fairness across political biases and deployed as an interactive app with Streamlit + Docker.

## SKILLS

Python, C++, Scikit-learn, XGBoost, TensorFlow, Pandas, NumPy, Docker, Git, Typer, Streamlit, Flask, HTML/CSS, MySQL, Linux/macOS/Windows