

EDUCATION

Indian Institute of Technology (IIT), Ropar	Ropar, India
Minor in Artificial Intelligence	2024 - 2025
BNMU	Purnia, India
Bachelor's in Physics	2017 - 2020

SKILL SUMMARY

• Language :	Python, HTML, CSS, JavaScript
• Frameworks :	Flask, PyTorch (custom), TensorFlow (pre-trained), scikit-learn, OpenCV, Pandas, NumPy
• Tools :	Google Colab, VS Code, Streamlit, Jupyter Notebook, Render, Postman, WordPress
• Soft Skills :	Problem-solving, Communication, Teamwork, Creativity, Project Management

WORK EXPERIENCE

AI DEVELOPER INTERN – ElevateLab	Nov 2023 – Jan 2024
<ul style="list-style-type: none">Collaborated with cross-functional teams to design and deploy AI-driven solutions for real-world problems in NLP, computer vision, and structured data.Built end-to-end ML pipelines from data preprocessing to deployment, optimizing model accuracy and inference speed.Integrated trained models into responsive web applications, enhancing user engagement and accelerating decision-making.Conducted model validation and A/B testing, ensuring robustness and generalizability across varied datasets.Explored transfer learning and fine-tuning for specific use cases, resulting in a 20% improvement in predictive performance (measured by F1-score).	

PROJECTS

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AI Symptom Checker > LINK	<ul style="list-style-type: none">Developed a Flask-based web application that predicts diseases from user-input symptoms.Utilized classification models (Random Forest) for accurate diagnosis.Designed a responsive and user-friendly interface for real-time health predictions.
Heart Disease Prediction > LINK	<ul style="list-style-type: none">Built a heart disease risk prediction model using clinical features and Decision tree classifier and a Random Forest classifier.Achieved over 90% accuracy and visualized results using charts and analysis.Integrated the model into a streamlined web app for end-user interaction.
Breast Cancer Prediction > LINK	<ul style="list-style-type: none">Built a logistic regression model using the Breast Cancer Wisconsin dataset to predict malignant vs. benign tumors.Achieved ~95% accuracy with strong evaluation metrics (ROC-AUC ≈ 0.98), using joblib for model deployment.Developed a Flask-based web app for real-time predictions with a clean HTML/CSS frontend.Integrated ROC curve and sigmoid threshold visuals to support interpretation.
AI Resume Grader > LINK	<ul style="list-style-type: none">Developed an AI-powered Flask app that analyzes resumes using NLP and provides role-specific feedback with scoring.Supports PDF/DOCX uploads, strength/weakness detection, and downloadable PNG analysis.Features a modern glassmorphism UI with responsive design and real-time analysis.Deployed on Render using Flask, gunicorn, and automated spaCy model setup.

CERTIFICATION

xto10x Hackathon Edition #3 – Masai School	May 2025
<ul style="list-style-type: none">Developed Financial Time Machine, a market forecasting tool using LSTM and Python.Simulated future investment trends with interactive charts.Recognized for innovation and data-driven decision-making.	