

# Shubham Kumar Shivam

[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

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## SUMMARY

Dynamic Data Scientist skilled in Python, Machine Learning, TensorFlow, and Scikit-learn with hands-on experience in data analysis using Pandas and NumPy. Strong problem-solving abilities, effective communication, and a curious mindset. Proficient in Google Colab for model development and experimentation.

## EDUCATION

### Major in Artificial Intelligence

Indian Institute of Technology (IIT), Ropar

Aug 2024 – Feb 2026

Ropar, Punjab

Certificate : [View Certificate](#)

## SKILLS

- Language :** Python
- 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

## PROJECTS

### Capstone Project – AI-Powered Physics Learning Platform (Class 10) • [GitHub](#)

- Built a personalized learning system for Class 10 Physics with adaptive quizzes and study plans.
- Auto-generated 1000+ Physics questions from NCERT using NLP, tested with 50+ students.
- Improved quiz scores by 25% and cut teacher evaluation time by 40%.

### AI Symptom Checker | Python | Flask | Scikit-learn | NLP • [Link](#) | [GitHub](#)

- Developed a disease prediction app, achieving 92% accuracy on benchmark data.
- Deployed the Flask app, tested successfully by 100+ users for real-time predictions.
- Designed a responsive UI that reduced average query time by 40%.

### AI Resume Grader | Python | Flask | spaCy | PyPDF2 • [Link](#) | [GitHub](#)

- Developed an NLP-based resume analyzer used by 50+ peers for job prep.
- Reduced manual review time by 60%, providing instant feedback with 85% precision.
- Supported multiple file formats (PDF/DOCX) and generated downloadable reports.

### Breast Cancer Prediction | Python | Flask | HTML/CSS • [Link](#) | [GitHub](#)

- Trained on 569 tumor cases (Wisconsin dataset), achieving 95% accuracy with ROC-AUC  $\approx 0.98$ .
- Deployed as a Flask web app with integrated ROC curve visualization.
- Reduced diagnostic analysis effort by 50% compared to manual methods.

## WORK EXPERIENCE

### AI Developer Intern – ElevateLab • [Link](#)

Nov 2024 – Feb 2025

- Built and deployed end-to-end ML pipelines (NLP & CV), improving accuracy by 20% and inference speed by 30%.
- Integrated models into 2+ web apps, boosting user engagement by 40%.
- Automated data workflows and collaborated with teams, cutting deployment cycle time by 25%.

## CERTIFICATION

### xt010x Hackathon Edition #3 – Masai School • [Link](#)

- 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.