

Sourav Mahato

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EDUCATION

National Institute of Technology Sikkim B.Tech - Computer Science and Engineering - CGPA- 7.42	Aug 2023 - Present Ravangla, Sikkim
Asansol North Point School Senior Secondary - Percentage- 77.2%	May 2022 Asansol, West Bengal
Asansol North Point School Secondary - Percentage- 83.0%	May 2020 Asansol, West Bengal

EXPERIENCE

Rojgaar Full Stack Developer <ul style="list-style-type: none">Developed an internship application platform using React, Flask, and PostgreSQL.Implemented real-time chat functionality between users using WebSockets for active communication.	Dec 2025 – Present <i>Remote</i>
YantraPragya Developers Pvt Ltd AI Engineer <ul style="list-style-type: none">Engineered a U-Net architecture from scratch with skip connections for high-precision segmentation.Developed 512x512 RGB pipelines with bottleneck optimization and inference visualization for validation.	Dec 2025 – Jan 2026 <i>Remote</i>

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, C
Data Science & Machine Learning: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch
Data Handling & Databases: MySQL, PostgreSQL, MongoDB
Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, PHP, Tailwind CSS, Bootstrap
Tools & Platforms: Git, GitHub, Linux, VS Code, Jupyter Notebook, Google Colab, Figma, Canva

PROJECTS

- Titanic Survival Prediction** | 📺 | Python, Pandas, Scikit-learn
- Built a classification model to predict Titanic passenger survival using the Kaggle dataset.
 - Performed data preprocessing, feature engineering, and exploratory data analysis to identify key survival factors.
 - Trained and evaluated models including Logistic Regression and Random Forest to improve prediction accuracy.
- Predictive Diagnostic Analysis** | 📺 | Python, Scikit-learn, Pandas, NumPy, Matplotlib
- Developed classification models using Scikit-learn to predict diagnostic outcomes across medical datasets (Breast Cancer, Iris) with optimized accuracy.
 - Conducted extensive EDA and hyperparameter tuning across Decision Trees, KNN, and Naive Bayes to improve model robustness and feature scaling efficiency.
- Personal Portfolio Website** 📺 | 📺 | HTML, CSS, Tailwind CSS, JavaScript, Vercel, Formspree
- Built and deployed a fully responsive personal portfolio from scratch using HTML, Tailwind CSS, and JavaScript, featuring a serverless contact form via Formspree.

POSITIONS OF RESPONSIBILITY

Member (Technical Team) - Web Development Cell, NIT Sikkim	Dec 2024 - Present
Member - DEVCANS (Coding Club), NIT Sikkim	Dec 2024 - Present
Volunteer - Training and Placement Cell, NIT Sikkim	May 2025 - Jan 2026

ACHIEVEMENTS

- LeetCode** 📺
- Solved 80+ LeetCode problems with strong algorithmic skills.