Aastha Motwani

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EDUCATION

Institute of Infrastructure, Technology, Research, and Management   Ahmedabad, Gujarat
Civil Engineering, Bachelor of Technology
Minors in Computer Science   Expected Completion June 2026

Shiv Jyoti Convent School   Kota, Rajasthan
Degree in High School   June 2021

Good Shephered Convent School   Shahdol, Madhya Pradesh
Degree in Secondary School   March 2019

EXPERIENCE

Senior Editor and Content Writer | Student Magazine, Pratidhwani   May 2023 - Present
Technical Secretary | SAC, IITRAM   Aug 2024 - Present
Operations Team Member | Alumni Relations, IITRAM   Oct 2023 - Present

SKILLS

Skills:	Data Structures and Algorithms, Microsoft Excel
Relevant Coursework:	Machine Learning, Remote Sensing, Computer Vision
Programming Languages:	c, Python
Tools / Platforms:	VS Code, Google Colab, Image Processing, OpenCV
Softwares:	QGIS, Multispec, STAAD PRO

PROJECTS / OPEN-SOURCE

FarmConnect: Natural Farming Marketplace

Conceptualized and developed a web platform for connecting natural farmers directly with consumers. Prioritized transparency and trust-building with features like verified listings, ratings, and messaging. Designed user-friendly interface suited for diverse rural/urban users; planned for future logistics integration. Reflected empathy-driven design and mission to promote sustainable agriculture accessibly.

Energy Consumption Prediction using Machine Learning

The objective of this project was to analyze dataset of different buildings with different parameters and build a predictive model using ML techniques to optimize the efficiency.

Forest Fire Prediction using Remote Sensing data

Developed forest fire susceptibility maps for Odisha using MODIS data, GIS, and machine learning (Random Forest, Support Vector Machine).