

Dayanshi Jain

Roll No.: 211114081

Bachelor of Technology

Maulana Azad National Institute of Technology, Bhopal

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🐙 GitHub Dayanshi

🌐 LinkedIn Dayanshi

EDUCATION

- **Bachelor of Technology in Electronics and Communication** Dec. 2021 - May 2025
Maulana Azad National Institute of Technology, Bhopal CGPA: 8.23
- **Senior Secondary (12th Grade)– Science Stream** Mar. 2019 - Mar. 2020
Sarvodaya Higher Secondary School, Sironj Percentage: 84%

PERSONAL PROJECTS

- **Breast Cancer Detection** GitHub
Engineered a deep learning-based application to detect *early-stage breast cancer* using *medical images*.
 - Trained a **ResNet50** with **early stopping**, **dropout regularization**, and the **Adam optimizer** to achieve **97% accuracy**.
 - Integrated **LIME** for **explainability**, improving **diagnostic transparency** by **15%** and reducing **overfitting** by **20%**.
 - Technologies: Python, Keras, TensorFlow, ResNet50, Explainable AI (LIME).
- **Spotify Clone** GitHub
Built a *music streaming app* with *playlist management* and *custom audio controls*.
 - Integrated **API-based song fetching**, search functionality, and user authentication for personalized playlists.
 - Optimized performance using **lazy loading** and **Redux Toolkit**.
- **Experience Sharing Blog** GitHub
Developed a *blogging platform* with *Appwrite* for *backend* and *TinyMCE* for *rich-text editing*.
 - Implemented features like **user authentication**, **role-based access**, **CRUD operations**, and **post categorization**.
 - Enhanced user experience with **dark mode**, **responsive UI**, for seamless content creation.
 - Technology Used: React.js, Vite, Appwrite (Auth Database), TinyMCE, Tailwind CSS.

EXPERIENCE

- **Machine Learning Virtual Internship** May - July 2023
AICTE - Eduskills Online
 - Applied **machine learning concepts** including **supervised**, **unsupervised**, and **deep learning** techniques to real-world datasets.
 - Designed, trained, and optimized **ML models** for **classification**, **regression**, and **clustering tasks**.
 - Evaluated models using **hyper-parameter tuning**, **feature engineering**, and **performance metrics**.
 - Gained **hands-on experience** in **data preprocessing**, **model building** using **Python**, **Scikit-Learn**, **TensorFlow**, and **Keras**.
- **Tutor** Oct. 2022 - Present
AAROHA - NGO Offline
 - Led an **education outreach campaign**, engaging **60-70%** of participants and encouraging continued learning through interactive sessions.
 - Mentored children from underserved communities, improving **academic performance by 20-30%** with personalized learning plans.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS.

Libraries & Frameworks: C++ STL, Python Libraries, ReactJs.

Databases & Tools: MySQL, Git

Coursework: DSA, Operating Systems, Object Oriented Programming, Database Management System.

Interests: Web Development, Machine Learning.

Soft Skills: Self-learning, Leadership, Event Management, Public Speaking, Workflow Management

POSITIONS OF RESPONSIBILITY

- **Core Team Member** Training and Placement(T&P) Cell, MANIT Mar. 2024 - Present
- **Sponsorship Head, Event Manager and Anchor** Roobaroo, MANIT Aug. 2022 - Present
- **Public Relation and AAOD Volunteer** AAROHA, MANIT Oct. 2022 - Present

ACHIEVEMENTS

- Ranked **among the top 500 teams in India** in the **Amazon ML Challenge 2024**.
- Completed over **800 programming challenges** on coding platforms like **LeetCode**, **GeeksForGeeks**.
- Participated in **20+ coding competitions**, including **Flipkart Grid**, **Amazon HackOn**, and regular contests.