

Dayanshi Jain

Roll No.: 211114081

Bachelor of Technology

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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 application using **ResNet50** and **early stopping** for **early-stage breast cancer**.*
 - Trained a **ResNet50** with **early stopping**, **dropout regularization**, and the **Adam optimizer** to achieve **97% accuracy**.
 - Integrated **LIME** for **explainability**, improving **diagnostic transparency** by **30%** and reducing **overfitting** by **20%**.
 - Utilized **Python**, **Keras**, **TensorFlow**, **ResNet50**, and **Explainable AI (LIME)** to enhance model performance.
- **BeatNirva - Music Streaming Platform** GitHub
*Built a **full-stack music streaming platform** using the **MERN stack**, improving **playback** by **20%** for **50+ users**.*
 - Optimised **search** and **playback**, and **API response**, reducing **buffering** by **60%** and **load time** by **45%**.
 - Engineered a **responsive UI** with **React.js**, **Tailwind CSS**, boosting **accessibility** by **50%**.
 - Leverage a **scalable backend** with **Node.js**, **Express.js**, and **MongoDB**, cutting **load time** by **40%**.
- **BlogSphere - Blogging Platform** GitHub
*Created a **blogging platform** with **Appwrite** for **backend** and **TinyMCE** editor reducing **production time** **40%**.*
 - Implmented **user authentication**, **role-based access**, **CRUD operations**, and **post categorization** for **50+ users**.
 - Streamlined **UI** and **editor**, boosting **engagement** by **15%** and **cutting content creation** time by **40%**.
 - Developed using **React.js**, **Vite**, **Appwrite (Auth Database)**, **TinyMCE**, and **Tailwind CSS**.

EXPERIENCE

- **Machine Learning Virtual Internship** Jun. 2024 - Jul. 2024
AICTE - Eduskills Online
 - **Applied ML** for customer segmentation into **5 clusters**, boosting **conversion rates**.
 - Trained models on **IBM Cloud**, improving **accuracy** by **30%** and **cutting computational cost** by **25%**.
 - Acquired practical experience in **data pre-processing** and **model development** on **IBM Watsonx** using **Python**, **TensorFlow**, and **Keras**, enhancing **efficiency** by **25%**.
- **Team-Lead** Oct. 2022 - Present
Zeenith - Coding Club Offline
 - Hosted **coding contests**, **hackathons**, and **workshops**, for **100+ participants**, fostering a **competitive coding culture**.
 - Mentored peers in **DSA**, **competitive programming**, and **web development**, and improving **efficiency** by **25%**.
 - Led **weekly code reviews**, fixing **200+ bugs** and enhancing code quality and logical thinking.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML5, 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**.