Dayanshi Jain

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Bachelor of Technology
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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%
- **Secondary (10th Grade)** — *Mar. 2017 - Mar. 2018*
  Nirmala Convent Higher Secondary School, Sironj — Percentage: 89.6%

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.
- **VideoTube - Video Streaming Platform** — *GitHub*
  ***Built a full-stack video streaming platform** using the **MERN stack and Vite**.*
  - **Optimized video uploads, streaming, search, and playback** for an improved user experience.
  - **Implemented user authentication, likes, comments**, and **subscriptions** to enhance user engagement by 35%.
  - Designed a scalable **backend with Node.js, Express.js, and MongoDB**, cutting backend load time by 40%.
- **BlogSphere - Blogging Platform** — *GitHub*
  *Created a **blogging platform** with **Appwrite for backend** and **TinyMCE editor**.*
  - **Implemented 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
  - **Completed a 4-week intensive training** on **machine learning fundamentals** and **practical applications**.
  - **Received hands-on training in IBM Cloud Watsonx services**, leveraging its **AI-assisted tools** improving model training speed by 25%.
  - Acquired practical experience in **data pre-processing** and **model development** on **IBM Watsonx** achieving 30% **higher model accuracy** while **reducing computational costs by 25%**.
  - **Gained hands-on experience with Python, TensorFlow, Keras**, and **IBM Watsonx for ML model development**.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML5, CSS.
Frameworks: C++ STL, Python Libraries, ReactJs, NodeJs, ExpressJs, Tailwind.
Databases: MySQL, Mongoose Atlas.
Tools: Visual Studio Code, GitHub.
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 — *Mar. 2024 - Present*
- **Sponsorship Head, Event Manager and Anchor** Roobaroo Cultural Club — *Aug. 2022 - Present*
- **Public Relation and AAOD Volunteer** AAROHA-NGO — *Oct. 2022 - Present*
- **Team Head** Zeenith Coding Club — *Dec. 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 **30+ coding competitions**, including **Flipkart Grid, Amazon HackOn**, and regular contests.