Tanusha Sharma
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BTECH
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GitHub Profile
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Education

•Maulana Azad National Institute of Technology, Bhopal *2026*
Bachelor of Technology in Electronics and Communication Engineering CGPA: 9.24

•Bhanwar Lal Ghothi School *2022*
Central Board of Secondary Education, Rajasthan Percentage: 92.8

Experience

•Farcraws ISRO *Nov 2023 - May 2025*
Frontend Developer Bhopal
– Developed a responsive user interface for the FARCRAWS-ISRO project, enabling users to select and analyze rainwater properties
– Implemented user authentication and dynamic graph plotting, under mentorship from PRL Ahmedabad.

•Union Bank of Switzerland (UBS) *April 2025*
Hackathon Finalist Pune
– Selected through an on-campus coding round for the UBS Campus Hackathon; participated in a 24-hour development sprint.
– Built Rise Up, an educational platform aimed at bridging rural and urban learning gaps.

Personal Projects

•Rise Up *April 2025*
Project description
– Tools & technologies used: HTML,CSS,Javascript, Reactjs, OpenAI API,MongoDB, Node.js
– Developed Rise Up, an educational platform featuring user authentication, self-assessment tools, mock interviews (AI & human), job recommendations via API, NGO job postings, and personalized course suggestions based on user interests and skills.

•Dog Breed Identification *Feb 2025- April 2025*
Project description
– Tools & technologies used: Python,OpenCV ,Pandas,NumPy,Matplotlib,TensorFlow,Keras,Kaggle
– Developed a dog breed identification system using MobileNetV2 with transfer learning, achieving 99.92 % accuracy across 120 breeds. The model used a train-test split approach to fine-tune the pre-trained MobileNetV2 and predict the breed from input images.

•Jaipur Smart System – An AI-ML Based Urban Intelligence Platform *June 2025*
Project description
– Tools & technologies used: Python,Jupyter Notebook, OpenCV, anaconda ,Pandas,NumPy,Matplotlib,Scikit-learn, ML libraries, APIs
– Jaipur Smart System is an AI/ML-based project with two goals: predicting real-time ride fares using live data (distance, traffic, weather, events) and recommending high-earning locations to street vendors and riders based on time, weather, and city activity. It uses machine learning and real-time APIs to optimize urban travel and local earnings in Jaipur.

Technical Skills and Interests

Languages: Hindi,English
Developer Tools:Git, GitHub, Jupyter Notebook, Visual Studio Code, PyCharm, TensorFlow, Keras
Frameworks:React.js, Node.js, Express.js, Flask
Cloud/Databases: MongoDB, SQL
Soft Skills: Problem Solving, Time Management, Team Collaboration, Critical Thinking, Adaptability
Coursework: C++, Python, Optimization Techniques, Data Structures and Algorithms, Machine Learning, Wireless Communication, Digital Image Processing
Areas of Interest: Machine Learning, Artificial Intelligence, Full-Stack Development, Data Science

Positions of Responsibility

•Senior Sponsorship Executive, Indian Society for Technical Education *May 2023 - Present*

•Embedded System Specialist, Farcraws ISRO *Nov 2023 - Present*

Achievements

•Gold Medallist Facilitated by the Government of India for being a Top Woman Scorer *Feb 2023*

•UBS Campus Hackathon Finalist *April 2025*