Adarsh Bajpai

Jaipur, Rajasthan | adarsh.bajpai22@st.niituniversity.in | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Projects

Leaf Disease Detection System ([Link](#))
- Built a hybrid deep learning model (U2-Net and ResNet) for crop diseases detection and severity estimation, achieving high accuracy through model optimization.
- **ML Engineer –** Designed and trained the model for high accuracy and fast computation. Later extended it to a web app with image upload/capture, bilingual results, severity scoring, and farmer-focused precautionary guidance.

Zen Garden - Habit Tracker ([Link](#))
- Developed a gamified habit tracking app with 3D garden for visualisation, integrated analytics, task and finance management, and focus mode, enhancing engagement.
- **Frontend Lead –** Built an interactive React frontend with modular components and Framer Motion animations, optimising client-side computation for real-time, delay-free performance for boosting responsiveness and user retention.

Education

- **B.Tech. CSE (AI Specialisation), NIIT University**   **2022 to 2026**
  Artificial Intelligence, ML, Agentic AI and AI Agents, Deep Learning and GenAI
- **XII, JVP Public School, Jaipur (CBSE)**   **2022**
- **X, St. Anselm's School, Jaipur (CBSE)**   **2020**

Skills

- **Programming –** Python, JavaScript, SQL
- **Data Science & ML Libraries –** NumPy, Pandas, Matplotlib, OpenCV
- **Machine Learning & Deep Learning –** CNNs, ResNet, U2-Net (Image Segmentation), Naive Bayes, SVM, Data Preprocessing & Feature Engineering, Model Evaluation
- **DevOps & Tools –** Git, GitHub, Docker, Jenkins, Postman, Jira
- **UI/UX & Design –** Figma, Wireframing, Prototyping, Adobe Creative Suite (Photoshop, Lightroom, Premiere Pro), Photography
- **Web Framework –** React, Node.js
- **Other Skills -** Event Coordination, Team Leadership, Operations & Logistics Management

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Positions of Responsibility

- **Event Organisation Team – NIIT University (2 years)**
  Organised and managed major university events including convocations, cultural fests, and parent visits. Responsibilities included event scheduling, on-ground execution, team leading, guest coordination, and management.
- **Production Team – TEDx NIIT University**
  Managed on-ground staff, coordinated with vendors, and ensured smooth event execution from setup to wrap-up.
- **Designer – Vividha Art Club**
  Created digital assets, and stage designs, while managing task distribution and timelines for successful event delivery.