Aadi Jain

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Technical Skills: Python, HTML, CSS, JavaScript, MySQL, Power BI, ReactJS, C, C++, OpenCV, Data Structure and Algorithms.

Certification: Matlab Onramp, Guvi Geek (IIT Madras), Python Essentials, Cloud Computing (IIT Kharagpur), Data Analytics (Accenture), Postman API.

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	June 2022 –Ongoing	VIT University	8.75/10
Class XII	May 2022	AP Public School, Farrukhabad	88.8%
Class X	May 2020	Little Angels High School, Gwalior	93.2%

ACADEMIC PROJECTS

Dementia Prediction (Nov 23-Dec 23)	• Engineered a CNN-based model for early dementia detection using 1,000 MRI scans, improving baseline model accuracy by 18% through advanced preprocessing and data augmentation. • Optimized training via Bayesian hyperparameter tuning and dropout regularization, reducing validation error by 12% and boosting generalization. • Integrated SHAP for model interpretability, increasing clinical trust and usability by presenting explainable insights for 100% predictions.
FaceRecogPro (Feb 24-May 24)	• Built an attendance system using OpenCV and dlib, recognizing over 100+ unique faces with an offline accuracy of 90% in varied lighting conditions. • Streamlined real-time recognition pipeline, achieving a consistent 20–30 FPS on low-powered Raspberry Pi simulations, reducing latency by 40%. • Designed a Flask dashboard with SQLite backend, automating attendance logging and report generation, cutting manual admin time by 80%.
KrishiAI (June 24-May 25)	• Developed a real-time dashboard using Streamlit and simulated IoT inputs, enabling continuous monitoring of crop environments for 10+ key parameters. • Trained a crop yield forecasting model (MAE 0.1), tested on 3 major crops, and improved simulated yield planning efficiency by up to 15%. • Delivered a localized, mobile-friendly UI, helping improve user decision-making accuracy in agricultural simulations by 12–15% through visual insights.

INTERNSHIP EXPERIENCE

EncureIT Systems Pvt Ltd (Feb 25–May 25)	**Computer Vision Intern** • Modernized anomaly detection using YOLOv12, achieving a measured 45% improvement in precision and improving speed of image based data inspection tasks, increasing throughput by 200 images per minute. • Implemented an advanced object detection pipeline using YOLOv12, improving anomaly detection precision by 45% and automating inspection tasks for image-based datasets.

EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements	• Secured Third Place in Blockchain Android App Competition at IIT Delhi Tryst (Jan '19), developing a decentralized mobile solution for secure data management. • Selected participant in IEEE MOVE-A-THON 2023, focusing on innovative mobility solutions using emerging technologies. • Competed in IGDTUW UI/UX Hackathon (Apr '23), designing user-centric web solutions under time constraints.
Responsibilities	• Conceptualized and executed a student-led environmental conservation event, featuring tote bag and stone painting competitions, directly engaging 200+ students and fostering awareness of ecological responsibility. • As a Core Member of the Photography and Videography Club within AdVITya, led production of high-impact event videos, reaching 2000+ audience across platforms with 75% engagement rate.
Extracurricular	• **Google Assistant Trivia Game (Jan '20):** • Developed a voice-controlled AI quiz for Google's Actions platform, achieving a 90% user completion rate for the quizzes and identified key insights into user engagement with voice applications.

ADDITIONAL INFORMATION

Languages	• English • Hindi