

JENNIFER CHERIYAN

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Final-year Computer Engineering student with experience across machine learning, software development, and applied data analytics. Passionate about building scalable, real-world tech solutions with clean code and measurable impact.

SKILLS

- Programming language & Libraries: Python, Pandas, NumPy, Matplotlib, Seaborn, OpenCV
- AI/ML Framework: TensorFlow, scikit-learn, Flask
- Web development: HTML, CSS, JavaScript
- Version Control: Git, GitHub
- Key Concepts: Machine Learning, Computer Vision, Feature Engineering, Hyperparameter Tuning

PROFESSIONAL EXPERIENCE

SR Counselling India – Software Development Engineer Intern

Dec 2024 - Jan 2025

- Assisted in the development and integration of frontend and backend components for internal IT solutions.
- Supported testing, debugging, and optimization of software applications.
- Collaborated on system design, flow diagrams, and project documentation.

Vivekanand Education Society's Institute of Technology – Summer Project Intern

May 2024 - July 2024

- Built a neural network to detect Down Syndrome from embryonic images, improving diagnostic precision with Genetic Algorithm optimization.
- Utilized data augmentation, ROI extraction, and VGG16 for feature extraction; optimized ANN architecture for enhanced performance.
- Achieved 95.6% accuracy, and documented findings in a detailed technical report.

LEADERSHIP

Computer Society of India (CSI), VESIT – Operations Officer

2023 – 2024

- Organize and managed college-level technical workshops and events as part of council activities.
- Handled publicity, sponsorship outreach, and backend coordination to ensure smooth event execution.

PROJECTS

Real Estate Analytics & Prediction Platform

- Scraped real estate data from property listing websites using BeautifulSoup, and performed spatial and statistical analysis across cities like Mumbai.
- Built a Streamlit-based web application with modules for price prediction, recommendations, and feature-driven insights using regression models and visualization tools.
- Deployed the solution on AWS, integrating ML components and interactive dashboards for real-time exploration of property trends and pricing.

EcoMentor – Climate Change Education App (Top 10 Finalist, VES-HACK-IT Hackathon)

- Developed a mobile app to promote climate awareness through interactive educational modules, Random Forest–based carbon footprint prediction, and gamified eco-learning experiences.
- Integrated real-time AQI mapping (OpenWeather API), AI-powered news summaries (Mistral AI), and a FastAPI climate chatbot to deliver personalized environmental insights.

PUBLICATIONS

“AirAware – Empowering Health Choices and Navigating India’s Air Quality Landscape,”
IEEE SILCON 2024 - Presented at conference as the representing author. [View Publication](#)

EDUCATION

VESIT	Model College Of Science & Commerce	St. Thomas High School
BE Computer Engineering	HSC	SSC
CGPA: 9.41 2022 - 2026	93% 2020 - 2022	94.4% 2020