

Manvitha Pola

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Summary

An enthusiastic 3rd-year B.Tech student in Artificial Intelligence and Machine Learning, with strong skills in AI, Machine Learning, and Web Development. Proficient in Frontend technologies and completed Backend development with PHP. Passionate about building AI-driven solutions and dynamic web applications that solve real-world problems.

Education

Institution	Board / Specialization	Score	Duration
Sreenidhi Institute of Science and Technology	B.Tech in AI & ML	CGPA: 9.69	2022–Present
Narayana Junior College	TSBIE	98.4%	2020–2022
Sanskriti-The-School	CBSE	93.6%	2019–2020

Internships

Intel® Unnati Industrial Training – 2024 **Project:** [GitHub](#) *May 2024 – July 2024*

- Built an AI-driven healthcare web app using Flask/Django, HTML/CSS, PHP, and MySQL.
- Integrated features such as prediction of symptoms, predictive analytics, and an AI chatbot.
- Completed under the theme “Integrated Common Services to Common People” with guidance from assigned mentors.

Projects

Music Genre Classification using Deep Learning [SpectroSync](#)

- Used GTZAN dataset, converted audio to Mel-spectrograms with Librosa.
- Built a CNN-LSTM model with TensorFlow for genre classification.

RoomieSplit – Smart Expense Splitter for Roommates [RoomieSplit](#)

- Built a full-stack expense splitter using PHP, MySQL, JS, HTML/CSS, and Bootstrap.
- Added features like ‘Who Owes Whom’, Settle Up, filters, charts, and CSV/PDF export.

Velisca–Premium Fashion and Lifestyle Website [Velisca](#)

- Designed a luxury e-commerce website with HTML, CSS, JavaScript, and TailwindCSS.
- Implemented responsive UI, category filters, and interactive product displays.

Movie Recommendation System [Movie](#)

- Built a content-based movie recommender using Python, Pandas, and Scikit-learn.
- Suggested similar movies based on user input using cosine similarity and metadata analysis.

Publications

Data to Watts–Navigating the Energy Revolution with AI [DOI Link](#) April 2025

Co-authored a book chapter published in *Integrating Artificial Intelligence Into the Energy Sector*, IGI Global Publications.

Skills

Programming Languages: C, Java, Python
Web Development: HTML, CSS, JavaScript, TailwindCSS, Bootstrap, PHP, React
Core Competencies: DSA, Problem-Solving
Machine Learning: Supervised and Unsupervised Learning, CNN, Scikit-learn, Pandas, NumPy, Matplotlib
Soft Skills: Critical Thinking, Communication, Time Management, Adaptability

Languages

English, Telugu, Hindi

Extra-Curricular Activities

Member, College Robotics Club 2023–Present

Participated in robotics projects and competitions, and volunteered during the college fest.