

KATHULLA YAMINI

yaminikathulla2005@gmail.com — +91 9133645155 — LinkedIn — Github — Portfolio

Education

Shri Vishnu Engineering College for Women, Bhimavaram

B.Tech in Computer Science and Engineering

oct 2022 – June 2026

CGPA: 8.99

Bhaskara Junior College, Narsapuram

Intermediate

Jun 2020 – May 2022

Percentage: 97.7%

Narayana School, Narsapuram

10th Grade

Jun 2019 – May 2020

Percentage: 93%

Academic Projects

AirHealth – ML-Based Web App for Health Risk Prediction—Project Link

May 2025

Tech Stack: Python, Flask, HTML/CSS, LIME, SHAP

- Built a Flask web application to predict health risks from environmental factors.
- Designed and deployed ML models with a user-friendly web interface.
- Integrated LIME and SHAP for model explainability and interpretable predictions.

Pumpkin Seed Classification—Project Link

Mar 2024

Tech Stack: MATLAB, Python, Scikit-learn

- Developed a machine learning model to classify pumpkin seeds into types using morphological features.
- Applied MRMR feature selection and predictive analytics to improve accuracy and scalability.
- Implemented data preprocessing, feature selection, and model evaluation workflows.

Skills

Programming Languages: Python, Java

Web Development: HTML, CSS,, React

DevOps & Tools: AWS (EC2, VPC, IAM, S3), Git, GitHub,Maven

Concepts: OOPS, Operating Systems, DBMS,SQL

Tools: MATLAB, Jupyter Notebook, LaTeX, VS Code

Soft Skills: Strong written and verbal communication, teamwork, problem-solving, time management

Experience

Frontend Intern [AptPath]

July-Aug 2025

- Built a React-based frontend for a cake delivery website. Designed responsive and mobile-friendly UI with seamless interactions.
- Developed product listings, order tracking, and cake customization features. Integrated Stripe for secure payments and implemented pre-booking functionality for scheduled deliveries.

Machine Learning Intern [Skill Craft Technology]

Jan–Feb 2025

- Gained expertise in supervised and unsupervised ML through a 1-month internship.
- Worked on house price prediction and customer segmentation models with preprocessing and evaluation.

Certifications

- Introduction to Machine Learning, Kaggle
- Python Programming, NPTEL
- Beginner's Guide to Cybersecurity, IBM on edX
- Cloud Computing, NPTEL
- Basis of DevOps Professional Certificate, edX

Achievements

- Received the Best Paper Award at ICAAAI 2024 for the paper titled “Optimized Ensemble Machine Learning Framework for Pumpkin Seed Classification,” selected from over 80 peer-reviewed submissions.
- secured 2nd out of 18 teams in Poster presentation on Metaverse and paper on Web 3.0 (department-level).
- Presented innovative waste management ideas in a college Ideathon.

Research Papers

- Published a Research Paper titled “Optimized Ensemble ML Framework for Pumpkin Seed Classification” at ICAAAI 2024.