

# Badugu Suma

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🌐 LinkedIn

🐙 GitHub

## EDUCATION

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<b>Shri Vishnu Engineering College for Women, Bhimavaram</b> <i>B.Tech in Artificial Intelligence and Data Science; CGPA: 8.85/10</i>	2022 - 2026
<b>Tirumala Mahila Junior Kalasala, Katheru</b> <i>MPC; Percentage: 91.9%</i>	2020 - 2022
<b>Tirumala E.M High School, Katheru</b> <i>Percentage: 100%</i>	2019 - 2020

## SKILLS

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**Languages:** Java, Python, C

**Web Technologies:** HTML, CSS, JavaScript, Node.js, Express.js, React.js

**Databases:** SQL, MongoDB

**Tools & Platforms:** VS Code, Google Colab, Thunder Client, MongoDB Compass, MySQL Workbench, GitHub

**Others:** Data Structures and Algorithms(DSA) with Java, Data Science Fundamentals, Machine Learning Basics

## CERTIFICATES

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- Phase 2 Training in C&DS (Coding & Data Structures) from Smart Interviews
- Hands-on Learning in Machine Learning (Three Phases)
- Data Science with Python from edX
- Data Structures with C from Great Learning Academy

## PROJECTS

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### Find Helpers – Full-Stack Service Booking App

- Developed a role-based web application that allows users to connect with nearby service professionals based on service needs.
- Implemented dynamic request handling, user-professional interaction flow, and real-time status updates.
- **Tech Stack:** HTML, CSS, JavaScript, Node.js, Express.js, MySQL

### Placement Tracking Web App

- Designed a full-stack application for tracking student placements with dual-login for students and admins.
- Enabled students to log cleared rounds and share experiences; allowed admins to manage company and student data.
- **Tech Stack:** React.js, Node.js, Express.js, MySQL

### Service Request Tracker

- Built a backend API to manage service requests and status updates with CRUD operations and RESTful route handling.
- **Tech Stack:** Node.js, Express.js, MongoDB, Mongoose

### Restaurant Review Analysis

- Created a GUI app to analyze restaurant reviews and detect customer sentiment using NLP.
- Generated WordCloud for key feedback terms and handled model training/prediction.
- **Tech Stack:** Python, NLP, Machine Learning, Tkinter

### Heart Failure Prediction

- Developed a machine learning model to predict heart failure risk using patient health records.
- Applied data preprocessing and feature selection to improve prediction accuracy.
- **Tech Stack:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

## EXTRA-CURRICULAR & ACHIEVEMENTS

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- Student Coordinator in the SDG (Sustainable Development Goals) Club, Shri Vishnu Engineering College for Women. Organized events to raise awareness about SDG goals.
- Won 1st place in the Community Service Project Expo, Department of AI, Shri Vishnu Engineering College for Women.