

Miriyala Nikhil Sai

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EDUCATION

Indian Institute of Information Technology, Sri City, AP <i>B.Tech - Computer Science and Engineering</i>	08/2023 – Present <i>CGPA: 8.68</i>
Sri Chaitanya Junior College, Guntur, AP <i>MPC</i>	06/2021 – 06/2023 <i>Percentage: 94.9%</i>

SKILLS SUMMARY

Languages: Python, SQL, Java, C, JavaScript

Data Science & ML: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Web Development: MERN Stack (MongoDB, Express.js, React, Node.js)

Tools: MySQL, Git, GitHub, Jupyter Notebook, Excel, VS Code

Soft Skills: Problem Solving, Critical Thinking, Team Collaboration, Project Management

PROJECTS

Customer Churn Prediction System LINK	2025
<ul style="list-style-type: none">Built an end-to-end machine learning system for telecom churn prediction using a soft voting ensemble (Gradient Boosting, Random Forest, AdaBoost, Logistic Regression)Performed extensive data preprocessing, feature engineering, and exploratory data analysis to identify key churn drivers such as contract type, tenure, and monthly chargesAchieved 81.37% test accuracy and a strong ROC–AUC score of 0.86, demonstrating effective churn risk rankingDeployed a production-ready Streamlit web application supporting real-time and batch churn prediction with probability-based risk categorization	
Titanic Survival Prediction - Kaggle Competition LINK	2025
<ul style="list-style-type: none">Achieved 0.78468 score ranking in top 20% among 15,000+ participants through feature engineering and model optimizationApplied data preprocessing, handled missing values, created derived features (titles, family size), and feature scalingTrained ensemble models (Random Forest, Gradient Boosting, Logistic Regression) with cross-validation	
Smart Exchange — Refurbished Electronics Marketplace LINK	2024
<ul style="list-style-type: none">Built a full-stack e-commerce platform for buying and selling refurbished electronics using React and Tailwind CSSDeveloped RESTful backend services with Node.js, Express.js, and MongoDB for product management and user transactionsImplemented secure user authentication and session handling using Express-Session and Bcrypt	

ACHIEVEMENTS & CERTIFICATIONS

- Qualified to 2nd round in Odoo x Amalthea IIT Gandhinagar Hackathon 2025
- Machine Learning Specialization** by Andrew Ng certification
- Java Programming: Beginner to Master** certification
- Kaggle Data Visualization** certification