Miriyala Nikhil Sai

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EDUCATION

Indian Institute of Information Technology, Sri City, AP   08/2023 – Present
B.Tech - Computer Science and Engineering   *CGPA: 8.68*

Sri Chaitanya Junior College, Guntur, AP   06/2020 – 06/2022
MPC   *Percentage: 94.9%*

TECHNICAL SKILLS

Programming Languages:

- Python, Java, C, SQL, JavaScript

Machine Learning & Data Science:

- Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- Data Preprocessing ,Feature Engineering, Model Optimization, EDA, Predictive Modeling

Web Development:

- Node.js, Express.js, MongoDB, EJS, HTML, CSS, AJAX

Tools & Technologies:

- Git, GitHub, Jupyter Notebook, Streamlit, VS Code, Linux

PROJECTS

Customer Churn Prediction System   2025

- Built ML pipeline for telecom churn prediction achieving 82% ROC-AUC using Python, Scikit-learn, and XGBoost on Telco dataset
- Performed data preprocessing, EDA, and feature engineering to identify key churn drivers (contract type, tenure, charges)
- Implemented Logistic Regression, Random Forest, and XGBoost with hyperparameter tuning using GridSearchCV
- Deployed interactive Streamlit web app for real-time churn prediction with visual analytics dashboard

Titanic Survival Prediction - Kaggle Competition   2025

- Achieved 0.78468 score ranking in top 20% among 15,000+ participants through feature engineering and model optimization
- Applied data preprocessing, handled missing values, created derived features (titles, family size), and feature scaling
- Trained ensemble models (Random Forest, Gradient Boosting, Logistic Regression) with cross-validation

Smart Exchange - E-Commerce Platform   2024

- Developed full-stack platform for buying/selling refurbished electronics using Node.js, Express.js, and MongoDB
- Built responsive frontend with EJS, CSS3, and AJAX; implemented secure authentication with Express-Session and Bcrypt
- Designed database schema for product listings, user profiles, and transaction management

ACHIEVEMENTS & CERTIFICATIONS

- Achieved 0.78468 in Kaggle Titanic competition, ranking top 20% among 15,000+ participants
- Participant of Odoo x Amalthea IIT Gandhinagar Hackathon 2025
- **Machine Learning Specialization** by Andrew Ng certification(Coursera)
- **Java Programming: Beginner to Master** certification(Udemy)
- **Kaggle Data Visualization** certification