

KARTHIKEYAN REDDY TIYYAGURA

karthikeyatiyyagura73@gmail.com | **GitHub**

EDUCATION

Vignan's Foundation for Science, Technology & Research
BTech (Computer Science & Engineering)
CGPA: 7.28

Vadlamudi, Guntur, AP
July 2022 - Present

Sri Chaitanya Junior College
Class 12 (Board: BIEAP)
Percentage: 69.7%

Lakshmipuram, Guntur, AP
May 2022

Sri Chaitanya Techno School
Class 10 (Board: BSEAP)
Percentage: 99.3

Vidyanagar, Guntur, AP
May 2020

PROJECTS

IPL Match Winner Prediction | [Link](#)

- **Built** an ensemble-based model (**CatBoost**, **XGBoost**, **Gradient Boosting**) achieving **89.55% accuracy**.
- **Implemented** feature engineering, preprocessing, and voting classification.
- Tools Used: Python, Scikit-Learn, Pandas, Matplotlib.

Hotel Reservation System | [Link](#)

- **Developed** a GUI-based reservation system using **Java AWT**.
- **Implemented** real-time booking, checkout, and room availability tracking.
- Tools Used: Java, Swing, MySQL.

Alumni Management System | [Link](#)

- **Developing** a full-stack alumni management system using **MongoDB**, **Express.js**, **React.js**, **Node.js**.
- **Implementing** REST APIs for data handling and JWT authentication.
- Tools Used: MERN Stack.

SKILLS

Programming Languages:	C, C++, Java
Machine Learning:	Scikit-Learn, XGBoost, CatBoost, Apriori Algorithm
Web Development:	MERN Stack (MongoDB, Express.js, React.js, Node.js)
Data Analysis:	SQL, MySQL, Pandas, Spreadsheets
Tools:	Git, REST APIs

CERTIFICATIONS

- **PET Certificate by Cambridge (CEFR Level- B1)** - Overall Score 158, pass at grade B.
- **NPTEL Certification in HR Analytics** - Researched and analyzed HR metrics for workforce planning.
- **Public Speaking Certification** - Developed persuasive communication techniques for effective presentations.

ACHIEVEMENTS

- Led the finance and logistics team for UEAC under NSS, ensuring efficient coordination and execution.
- Streamlined NSS operations by optimizing resource allocation and refining team deployment strategies, significantly reducing workflow bottlenecks.
- Developed scalable solutions for alumni networking, integrating REST APIs and authentication protocols.