

# POOJA KATTEGUMMULA

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Aspiring student pursuing employment

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🌐 LinkedIn

## EDUCATION

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### -VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

2021 - Present

*BTech in Artificial Intelligence and Data Science*

CGPA: 9.0/10

### -SRI CHAITANYA JUNIOR COLLEGE

2019-2021

*Intermediate in Math Physics Chemistry (MPC)*

Marks: 984/1000

## SKILLS

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**Languages:** Python, C with data structures, Java

**Libraries:** Numpy, Pandas, Matplotlib

**Databases:** MySQL

**Business Intelligence tools:** Word, Powerbi

**Others:** Adaptability, Effective Communication, Problem Solving Skills

## PROJECTS

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### -SNAKE & LADDER GAME USING LINKED LIST

Developed a two-player Snake and Ladder game with a team of 4 members, showcasing proficiency in data structures and algorithms.

- Implemented player movements, snake encounters, and ladder climbs with an algorithmic efficiency that reduced processing time by 40%.
- Garnered a 4.8/5 user satisfaction rating, indicating successful implementation and high user approval of the online Snake and Ladder game.
- Tools & technologies used: C with data structures

### -CAR PRICE PREDICTION

Engineered a robust machine learning model for car price prediction using Python and popular libraries such as Scikit-Learn and TensorFlow.

- Performed exploratory data analysis on a dataset of 20,000 cars, identifying key features and correlations to enhance the model's predictive capabilities.
- Generated insightful visualizations to showcase feature importance, resulting in a 25% increase in user comprehension of the significant factors influencing car price predictions.
- Tools and technologies used: data collection, data cleaning, visualization

### -BOOK HANDLER

Enable users to find book positions remotely within milliseconds using an intuitive interface..

- Develop a scalable web-based system, accommodating over 1000 concurrent users with servlets, and JDBC.
- Allow users to reserve up to 3 books, implementing automated notifications within minutes for return dates and penalties.
- Enhance virtual book search efficiency by more than 500% to optimize the Library Management System extension and elevate ATS compatibility.
- It streamlines the process of locating a specific book from a collection of a thousand books, significantly reducing both time and effort.

## **CERTIFICATIONS**

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- Linear Algebra for Machine Learning** –Coursera ([Certificate](#))
- Probability & Statistics for Machine Learning & Data Science** -Coursera
- Artificial Intelligence** -Teachnook ([Certificate](#))
- Cloud Computing** -IIT Kharagpur

## **VOLUNTEER EXPERIENCE**

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### **-TECH HEAD FOR AI CLUB**

- Organized a series of AI competitions spanning various technical and non-technical branches in my college, including 3 events that engaged students in cutting-edge artificial intelligence challenges.
- Managed an Event called "Game-a-plazoo" in which 150 people participated.

### **-VJ HACKSLASH(VNR VJIET)**

- engaged as a volunteer in 2 coding competitions conducted by VJ HACKSLASH

### **-STUDENT FORCE (VNR VJIET)**

- Served as a volunteer for 2 events, namely Book Donation and Record Pads Distribution

## **ACHIEVEMENTS**

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- Executed and completed the hospital efficiency enhancement project using ML, incorporating rigorous data cleaning, XGBoost, and predictive modeling. Attained a 95% accuracy rate, earning a certification for outstanding performance.
- Successfully completed a 2-month Artificial Intelligence internship at TeachNook, acquiring hands-on experience and securing a certificate.