

# Rohan Cheera

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## EDUCATION

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- **Chaitanya Bharathi Institute of Technology (CBIT)** Hyderabad, India  
*Bachelor of Engineering in Artificial Intelligence and Data Science* November 2021 - March 2025
  - **CGPA:** 8.6/10
  - **Relevant Coursework:** Machine Learning, Data Structures, Algorithms, Database Management Systems, Artificial Intelligence, Big Data Analytics, Natural Language Processing

## SKILLS

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- **Languages:** Python, C++, JavaScript, MySQL
- **Frameworks:** TensorFlow, PyTorch, NodeJS, Express, React
- **Libraries:** Scikit-learn, pandas, numpy, matplotlib
- **Tools:** GIT, GitHub, MongoDB (database), Microsoft Excel, PowerBi, Chat GPT
- **Platforms:** Wolfram (Beginner Level), Web, Windows, Raspberry
- **Soft Skills:** Problem solving, Adaptability, Active listening, Critical thinking

## PROJECTS

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- **Rent Reminder Web Portal**
  - Engineered a **MERN stack** web portal with Twilio API integration, automating rent payment reminders through calls; ensured timely notifications and streamlined payment management, reducing late payments by 40% and saving 100+ hours monthly. Available at: Rent Reminder Web Portal
- **Coupon Trading Platform**
  - Developed a MERN stack application incorporating Redux, allowing users to exchange unused coupons for virtual currency; supported transactions from GPay and Amazon, boosting platform activity by 50% and user retention by 35%. Available at: Coupon Trading Platform
- **Employee Attrition Prediction**
  - Implemented a machine learning algorithm in Python to predict employee attrition with 85% accuracy, leading to a 20% improvement in retention strategies and saving \$300,000 in rehiring expenses. Available at: Employee Attrition Prediction
- **Car Rental System**
  - Developed a comprehensive **Car Rental System** using **Object-Oriented Programming** (OOP) concepts in **C++**. The system includes features such as vehicle booking, customer management, and payment processing. Implemented **encapsulation, inheritance, and polymorphism** to ensure a modular and maintainable codebase. Available at: Car Rentals

## CERTIFICATIONS

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- **Soft Computing:** Completed an NPTEL course on soft computing techniques and applications.
- **Data Mining:** Acquired skills in data mining methodologies and tools through an NPTEL course.
- **Deep Learning:** Studied deep learning principles and practices via an NPTEL course.
- **PyTorch for Deep Learning:** Learned to implement deep learning models using PyTorch in a Udemy course.

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

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- Engaged in **Ideathon** organized by ACIC-CBIT in Jan-2022
- Contributed to **Hacktober Hackathon Fest-2023** organized by COSC, CBIT

## ADDITIONAL INFORMATION

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LeetCode

GitHub

Kaggle

GeeksforGeeks

HackerRank