

# AJAY MUDETTULA

Hyderabad, Telangana

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## Professional Summary

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Innovative and results-driven Computer Science student with a passion for **Artificial Intelligence, Machine Learning, and Web Development**. Skilled in developing **AI-driven solutions**, optimizing **large-scale data systems**, and leveraging cutting-edge technologies to enhance user experiences. Strong problem-solving ability and a keen interest in building impactful tech solutions.

## Education

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### CVR College of Engineering

2022 - 2026

*B.Tech in Computer Science and Engineering (CGPA: 8.88)*

*Hyderabad, India*

### NRI Junior College

2019 - 2021

*Intermediate (Grade: 98.4)*

*Hyderabad, India*

## Internships

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### Generative AI Virtual Internship

July–September 2024

*Google Cloud*

*10-week internship focused on generative AI technologies.*

### Google AI/ML Virtual Internship

October–December 2024

*Google for Developers*

*10-week internship focused on AI and ML development.*

## Projects

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### Rental Price Prediction Chatbot

*Technologies: Python, Machine Learning, Flask, Scikit-learn, Pandas, NumPy, NLP*

- Developing a chatbot that predicts rental prices based on factors like location, property size, number of rooms, amenities, and market trends.
- Implementing machine learning models using Scikit-learn and NLP techniques to analyze rental listings and provide accurate predictions.
- Building a Flask-based API for real-time interaction and seamless integration with a chatbot interface.
- Utilizing web scraping and data preprocessing techniques to gather and clean rental market data for improved model accuracy.

### ParkIQ

*Technologies: HTML, CSS, JavaScript, React, Node.js, Express, MongoDB*

- Developed PARKIQ, a web app for parking management, optimizing space allocation and tracking.
- Integrated full-stack technologies for real-time updates and efficient parking operations.
- Led backend development with Node.js and Express, managing MongoDB storage.

### LINKUP - Group Chats & Interaction App

*Technologies: HTML, CSS, JavaScript, React, Node.js, Express, MongoDB*

- Developed LINKUP, a MERN stack-based interactive platform for group chats and video calls.
- Implemented real-time messaging, video calling, and screen sharing for seamless collaboration.
- Designed a scalable backend using Node.js and Express, with MongoDB for data storage.

## Technical Skills

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- **Artificial Intelligence:** Machine Learning, Deep Learning, NLP, Computer Vision
- **Generative AI:** LLMs (GPT, BERT), Prompt Engineering
- **Web Development:** MERN Stack, REST APIs, Next.js
- **Programming Languages:** Python, Java, C, JavaScript, SQL
- **Databases:** MongoDB, Firebase, MySQL
- **Cloud & DevOps:** AWS, Docker
- **Tools & Frameworks:** VS code, eclipse, TensorFlow, PyTorch
- **Deployment:** git, Docker

## Online Profiles

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- **LeetCode:** [leetcode.com/ajay\\_mudettula](https://leetcode.com/ajay_mudettula) (Solved 350+ problems, improving DSA skills in arrays, graphs, and dynamic programming.)
- **GitHub:** [github.com/AjaySmarc](https://github.com/AjaySmarc) (Active contributor to open-source projects, with repositories on web development, AI, and automation.)
- **CodeChef:** [codechef.com/users/ajay\\_mudettula](https://codechef.com/users/ajay_mudettula) (Regular participant in coding contests with a strong focus on problem-solving and algorithmic challenges.)

## Leadership Activities

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### Member, LDC Club

Developed leadership skills through workshops and networking events.

### Member, Cybernauts Club

Engaged in coding contests, awareness programs, etc .