Good afternoon madam, and thank you for giving me this opportunity.
My name is Rakesh, I am from Eluru, Andhra Pradesh.

I completed my B.Tech in Computer Science with a specialization in **Artificial Intelligence and Data Science** from Rama Chandra College of Engineering.

I am very passionate about the field of **AI, Machine Learning, and Large Language Models**, and I have worked on multiple real-time projects where I integrated AI into practical applications.

I have worked on several practical AI and automation projects. Like

MCQ Generator, where I built an AI-based quiz platform using Streamlit and Google Gemini. The application can automatically generate questions from any topic, evaluate answers, handle admin and student roles, store data in MongoDB, and also export the results to a PDF.

My anthor project is **Web Chatbot**, which I created using Google Gemini LLM. It can read information from a PDF, answer user questions from that content, and also has features like quick-question buttons and chat history to make the interaction easier.

And also I have worked on **AI Resume Optimizer**. It extracts text from resumes, compares it with a job description, identifies missing skills, and creates an improved, job-ready resume using LLMs.

During my internship, I also built an **AI-powered OCR application** using the Google Vision API, which converts text from images into editable digital text. I am using that text to autotype can anywhere I developed is an **Auto Typing Application** in Streamlit, which simulates human-like typing behavior using randomized speeds. This is used for automation tasks where typing should look natural. This is very helpful for Who cant type manually heavy data but they cant copy and paste their application it can automate that because I am using py auto gui it can control our keyboard and enter manually.

NLP – Natural Language Processing

NLP means teaching computers to understand human language.

It includes tasks like:

- breaking text into words

- removing unnecessary words

- understanding meaning

- extracting useful information

Example you can say:

"In my projects, NLP is used when the chatbot understands user questions, when the resume optimizer reads resume content, and when extracting important details from text."

LLM – Large Language Model

LLMs are advanced AI models trained on huge amounts of text so they can understand and generate human-like responses.

Examples: Gemini, GPT, LLaMA.

LLMs is very useful for :

- answer questions

- create content

- summarize text

- extract information

- generate MCQs

- improve resumes

Example you can say:

"I used LLMs like Google Gemini in my projects to generate quizzes, answer questions in the chatbot, extract details from resumes, and understand OCR text."

RAG – Retrieval-Augmented Generation

RAG means combining an LLM with external knowledge, like a PDF or database, to give accurate answers.

Instead of the AI answering from memory, it **first searches the document**, finds the relevant information, and then the LLM uses it to give the answer.

Example you can say:

"In my web chatbot project, I uploaded a PDF, and the chatbot answers questions from that PDF. This is exactly RAG — it retrieves information and then the LLM generates the response."