

KOMMANA GOWTHAM

B.Tech, Artificial Intelligence and Data Science

Indian Institute of Technology Patna

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Education

Indian Institute of Technology, Patna	2023 – Present
B.Tech in Artificial Intelligence and Data Science	CPI: 8.84/10
Tirumala Junior College, Visakhapatnam	2021 – 2023
Marks: 983 / 1000	
Andhrapradesh Residential School, Bobbili	2015 – 2021
Marks: 590 / 600	

Major Projects

AI Vision Hub (Web Platform for Visual Intelligence) Flask, Hugging Face
Developed a complete AI-powered website integrating tools like image captioning, object detection, emotion detection, NSFW filtering, etc., using pre-trained Hugging Face models and deployed with Flask.

English to French Translator (From Scratch) Transformers, Python
Built a custom sequence-to-sequence translation model from scratch using a transformer architecture for English to French translation without relying on pre-trained weights.

Two-pass Assembler (Assembler + Emulator) C/C++
Created an assembler that takes '.asm' input and produces '.log', '.list', '.obj' files along with a real-time emulator to validate and simulate instructions.

AI-Solving Game: Rise of the Undead Decision Trees
A logic-based simulation game between Person vs AI and AI vs AI involving strategic decision making.

Indian Railway Ticket Reservation System Python
Simulated a railway booking system with features like ticketing, schedule query, and basic PNR tracking.

Data Analysis on NERLDC Load Dataset ARIMA, Python
Performed EDA and ARIMA modeling on regional dispatch data. Used visualizations and forecasting to derive insights.

Technical Skills and Interests

Languages: C, C++, Python, MySQL

Developer Tools: Jupyter Notebook

Frameworks: Flask, Hugging Face Transformers

Cloud/Databases: MySQL, CSV handling

Soft Skills: Time Management, Adaptability, Communication, Creativity, Teamwork

Areas of Interest: Generative AI, Competitive programming, Problem solving.

Achievements

- Top 10 rank in GeeksforGeeks Generative AI Leaderboard Challenge (2025)
- AIR 3808 in JEE Advanced among 1.1M+ candidates
- AIR 3042 in JEE Mains with 99.76 percentile

Certifications

- Generative AI Foundation – GeeksforGeeks (2025)
- **Deloitte Australia – Data Analytics Job Simulation (Forage)** *July 2025*
Completed a virtual job simulation involving forensic data analysis. Created an interactive dashboard using **Tableau**, and used **Excel** to classify financial data and draw actionable business insights.