HIMAYAT SINGH TIWANA

Thapar Institute of Engineering & Technology, Patiala
(+91) 77196 54061⋄ himayattiwana3@gmail.com

EDUCATION

Thapar Institute of Engineering & Technology, Patiala　　*August 2023 - May 2027*
B.E. Computer Engineering　　CGPA: 8.94/10
Course work: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Artificial Intelligence, Machine Learning, Software Engineering, Computer Architecture, Web Development, Object-Oriented Programming, Probability & Statistics, Design & Analysis of Algorithms

PROJECTS

English-to-French Translation Chatbot　　*Jul 2025 – Sep 2025*
Developed an interactive command-line chatbot using a Hugging Face translation model, featuring dynamic typing animation, optimized output parsing, and a robust chat loop with graceful exit..

Restaurant Food Delivery Management System　　*Mar 2025 – Apr 2025*
Developed a full-stack system using Oracle DBMS for backend data management and React + HTML for the frontend interface, enabling efficient order processing, delivery tracking, and restaurant management operations.

Poetic Personality Chatbot　　*Jul 2025 – Aug 2025*
Built a chatbot using LLMs with prompt engineering to generate poetic responses, enhanced with real-time typing animation for immersive user experience.

ACTIVITIES

Hackspire Hackathon, Microsoft Learn Student Chapter & ACM Chapter, Thapar Institute of Engineering & Technology　　*Apr 25-27, 2024*
Participated in Hackspire, a 24-hour hybrid hackathon. Developed a blockchain-based application for local governance advisories, recognized as the biggest tech event by the organizing Microsoft Learn Student Chapter and ACM Chapter.

SKILLS

Programming Languages
Languages: C, C++, Python, SQL, HTML, CSS, JavaScript

Frameworks/Libraries
React.js, Node.js, NumPy, Pandas, TensorFlow

AWARDS AND SCHOLARSHIPS

Merit Scholarship-I , Thapar Institute of Engineering Technology　　*2023-2024*
Awarded for academic excellence in the first year, based on securing aggregate marks > 95% 10+2 level and ranking among the top 50 students in the institute as per JEE Mains-2023 AIR.