

Pabitra Kumar Ghorai

pkg2000696@gmail.com | 9775028670 | <https://www.linkedin.com/in/pabitra-ghorai> | <https://github.com/Pabitra969> | https://leetcode.com/u/Pabitra_2022/

Professional Summary

Versatile Computer Science undergraduate specializing in full-stack and AI-powered applications. Proficient in backend tools like Node.js, Express.js, Appwrite, MySQL, and frontend frameworks like React.js and Tailwind CSS. Experienced in building intelligent, scalable systems with exposure to AI/ML and LLMs, enabling the development of smart, data-driven applications.

Experience

ACM Student Chapter, UEM Jaipur

Speaker - Student-led organization facilitating learning and sharing in computer science
Engaged 60+ students in ACM Student Chapter by conducting detailed HTML & CSS workshops, boosting their web development skills.

Education

University of Engineering and Management

B.Tech, Percentage: 82.36%

Jaipur

07/2022-05/2026

Tamluk Hamilton High School

Higher Secondary, Percentage: 92%

West Bengal

01/2017-03/2019

Certifications

[NPTEL – Database Management System \(Elite\)](#)

[NPTEL – Python for Data Science \(Elite + Silver\)](#)

[NPTEL – The Joy of Computing Using Python \(Elite + Silver\)](#)

[NPTEL – Problem Solving Through Programming in C \(Elite\)](#)

[Summer School on Deep Learning – PDPM IITDM Jabalpur \(May–June 2025\)](#)

Skills

Languages: JavaScript, Python, C++ (DSA), React.js

Backend Development: MySQL, REST API

Frontend Development: React.js, HTML, CSS, Tailwind CSS

AI/ML Skills: Transformers, LLaMA, HuggingFace

Database & Logic: SQL, Data Modeling, Normalization, Joins

Tools & Platforms: Git, Postman, VS Code, Jupyter, Google Colab, AWS

Soft Skills: Logical Thinking, Teamwork, Communication, Time Management

Languages

English - Proficient

Bengali - Native

Hindi - Proficient

Projects

[LLM-based Text Summarization System](#)

Built a tool to generate concise summaries from PDFs & text files with Q&A and question generation features, improving research document understanding speed by **65%**. Link - <https://github.com/Pabitra969/Text-Summarizer.git>

[Code Conversion Editor \(LLaMA-3.2B\)](#)

Trained a fine-tuned **LLaMA-3.2B model** for C++ to JAVA code conversion, achieving **~85% line mapping accuracy**. Highlighted matching code lines with colour, reducing **debugging time by 40%** for students.

Link - https://github.com/Pabitra969/code_conversion_using_unsloth_Llama_3.2_3B_Instruct_model.git

[Dynamic Room Assignment & Management Tool](#)

Developed a smart allocation system that managed **100+ room assignments** based on capacity.

Optimized space utilization by **30%**, minimizing manual allocation errors.

Link - <https://github.com/Pabitra969/roomAllocation.git>