

# PRITI KUMARI GUPTA

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I am a Computer Science and Engineering student with a focus on Artificial Intelligence and Software Development. With strong technical skills in programming languages and a track record of impactful projects, I excel in applying my knowledge in practical settings. My experiences—including developing an AI project risk management system and a travel website—demonstrate my commitment to leveraging technology to solve real-world problems.

## EDUCATION

### INSTITUTE OF ENGINEERING AND MANAGEMENT

Bachelor of Technology in Computer Science and Engineering

YGPA1: 9.42

YGPA2: 9.46

**Relevant Coursework:** Software Engineering; Operating Systems; Data Structures and Algorithms; Artificial Intelligence and Machine Learning; Object Oriented Programming

Kolkata, WB

Expected June 2026

### ST MARY'S CONVENT SCHOOL

Class 12 – Grade O (92.80 %)

Howrah, WB

April, 2021

### OXFORD HIGH SCHOOL

Class 10 – Grade A (87.70 %)

Howrah, WB

April, 2019

## TECHNICAL SKILLS

- Programming languages: HTML, CSS, Python, Java, C, SQL, JavaScript
- Artificial Intelligence and Machine learning: Model Training, Data Preprocessing
- Web Development: API Integration, Frontend-Node.js, Vue.js, Responsive Design
- Data Structure & Algorithm: problem-solving techniques, Experience with Hackerrank, Leetcode

## CERTIFICATIONS

### NPTEL

1. Joy Of Computing using Python (ELITE)
2. Python for Data Science (ELITE)
3. Getting Started with Competitive Coding (ELITE)
4. Design and analysis of algorithms (ELITE)
5. Database Management System

### STUDY ABROAD PROGRAM

Artificial Intelligence, Internet of Things, Machine Learning & Data Analytics Fundamentals

## PROJECTS

### AI-POWERED PROJECT RISK MANAGEMENT SYSTEM

- The AI system continuously monitors market trends, transaction histories, and economic indicators as external data to detect potential project risks
- It generates risk reports, provides mitigation strategies, and alerts decision makers about critical project threats.

### TRAVEL LOGS:

- Developed a travel website using HTML, CSS, JavaScript (React.js) and Node.js for backend.
- Integrated Google Maps, Weather, and Booking APIs for real-time travel data.
- Deployed on AWS with features like PWA and chatbots..

## PUBLICATIONS

### Optimal Investment Portfolio using real-time Data Analysis

January, 2025-ongoing

- This research explores a pyramid-style investment strategy to construct an optimal portfolio that balances stability, growth, and risk.
- The portfolio combines Fixed Deposits (FDs), Mutual Funds, Stocks, and Cryptocurrencies, designed for a moderate-risk investor allocating their funds.