SAMKALPA SAMANTA

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- Tamluk,Purba Medinipur

EDUCATION

ZILLA PUBLIC SCHOOL

DURATION	2019-2020
• Secondary	
• Secured	95.5

ZILLA PUBLIC SCHOOL

DURATION	2020-2022
• Higher Secondary	
• Secured	85.8

UNIVERSITY OF ENGINEERING AND MANAGEMENT, KOLKATA

DURATION	2022-2026
• B.Tech (Computer Science)	
• Secured	9.10

SKILLS

- Programming Languages:
  Java, C, Python
- Subjects of Interest:
  DBMS, DSA, OOP, OS

CO-CURRICULAR

- Supported campus placement operations
- Active Member of University Football Team.
- Manager of UEMK India SPIE-Optica Student Chapter.

EXPERIENCE

•Successfully completed the Study Abroad Program And Internship on Artificial Intelligence and Machine Learning fundamentals At National University Of Singapore.

•Gained hands-on experience working with industry professionals at Shimadzu Corporation.

PROFILE INFO

Samkalpa is a go-getter who believes in facing challenges upfront and reasons out everything prior to action. Eager to learn and adapt quickly to new technologies and challenges. Proven ability to work effectively in teams and independently. Seeking an entry-level position where I can apply my knowledge, develop my skills, and contribute to meaningful projects.

PROJECTS

CATARACT DETECTION USING MACHINE LEARNING (INDIVIDUAL)

- Developed a CNN-based model for automated cataract detection from medical images.
- Trained the model on a medical dataset to achieve high accuracy in classification.
- Developed a user-friendly interface for automated diagnosis and visualization of results.

SUDOKU SOLVER (INDIVIDUAL)

- Built a Sudoku Solver in Java using backtracking and constraint satisfaction techniques.
- Designed an efficient algorithm to solve puzzles of varying difficulty levels.
- Developed a user-friendly interface for inputting and visualizing Sudoku solutions

INTRUSION DETECTION SYSTEM (IDS)(GROUP & ONGOING)

- Designing an Intrusion Detection System (IDS) using Deep Learning to analyze network traffic and detect cyber threats.

CERTIFICATIONS

- Database Structures and Management with MySQL(Coursera)
- Java Object Oriented Programming (LinkedIn Learning)
- Artificial Intelligence Internship (IBM Skill Build)
- Machine Learning Introduction for Everyone (Coursera)