

# ANAMIKA GUHA

P.O: Inda, Village: Rabindrapally, Kharagpur, Paschim Medinipur - 721305 · 9547731162  
[aguha07@gmail.com](mailto:aguha07@gmail.com) · <https://www.linkedin.com/in/anamika-guha-9a1486185>

Hardworking, punctual and motivated individual, always willing to learn new skills, who is able to work well under pressure and adhere to strict deadlines. Outgoing, tactful and have organized and methodological skills willing to learn and develop new areas. Enthusiastic for research works and already worked in the theories related to the projects described in the advertisement.

## EDUCATION

**MAY 2013**

**10<sup>TH</sup> STANDARD**, K.V I.I.T KHARAGPUR

C.G.P.A – 9.6

Appeared for Mathematics Olympiad

**MAY 2015**

**12<sup>TH</sup> STANDARD**, K.V I.I.T KHARAGPUR

PERCENTAGE – 73.5%

**JUNE 2018**

**B.SC IN COMPUTER SCIENCE**, SYAMAPRASAD COLLEGE, UNIVERSITY OF CALCUTTA

PERCENTAGE – 75.5%

College Topper

**JULY 2020**

**M.SC. IN COMPUTER SCIENCE**, TECHNOLOGY CAMPUS, UNIVERSITY OF CALCUTTA

About to be completed.

## SKILLS

- Strong Mathematical skills
- Strong Coding skills
- Willing to learn
- Eager for Research Works
- Like to work in a team
- Adaptable

## TECHNOLOGICAL SKILLS

C, C++, ADVANCED JAVA, PYTHON, DISCRETE MATHEMATICS, SOFTWARE ENGINEERING, MS SQL, ORACLE, NETWORKING AND COMMUNICATION, HTML, CSS, PHP, MACHINE LEARNING, NEURAL NETWORKS, ADVANCED COMPUTER ARCHITECTURE, ADVANCED OS, DATA SCIENCE, ALGORITHM, DATA INTERPRETATION, UNIX, COMBINATIONAL AND SEQUENTIAL CIRCUIT DESIGN, ASSEMBLY LEVEL LANGUAGE(MICROPROCESSOR PROGRAMMING AND ARCHITECTURE), AUTOMATA THEORY, DATA MINING, DBMS.

## ACTIVITIES

### PROJECT WORKS:

- **TRAVELLING SALESMAN PROBLEM**
  - Heuristic approach to find the shortest possible route.
  - Optimization of NP-Hard problem.
  - Use of genetic algorithms.
- **INFLUENCE MAXIMISATION AS AN OPTIMISATION PROBLEM**
  - Considered diffusion models of influence using machine learning.
  - Utilization in viral marketing decisions.
  - modelling influence diffusion in twitter (big-data analysis)
- **DEVELOPING WEB BASED APPLICATION**
  - Using PHP to build a full scale health management application from scratch both frontend and backend.
- **MICROPROGRAMMED PROCESSOR DESIGN**
  - Built a sequential clock using microprocessor programming and working with peripherals.

## ACHIEVEMENTS

**PLACED 2<sup>ND</sup> IN THE ALL INDIA INTER COLLEGE ACADEMIC MEET ORGANIZED BY FOSET (FORUM OF SCIENTISTS, ENGINEERS AND TECHNOLOGISTS) FOR TRAVELLING SALESMAN PROBLEM PROJECT.**

**PLACED 2<sup>ND</sup> IN ALL INDIA STATE LEVEL DANCING COMPETITION IN KATHAK.**

**GOLD MEDALIST IN DRAWING FROM FINE ARTS ACADEMY FOR 3 TIMES IN A ROW.**

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