

Roshni De

Reg. No.: 21DTMA012

Dual-Degree (B.Tech-M.Tech)

Computational Mathematics

National Institute Of Technology, Agartala

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EDUCATION

•National Institute of Technology, Agartala

(B.Tech-M.Tech) Computational Mathematics

2021-Present

(CGPA : 8.73)

•Hindi Higher Secondary School

Higher Secondary: CBSE

2019-2021

(90.8 Percentage)

•Holy Cross School

Secondary: ICSE

2007-2019

(94.8 Percentage)

EXPERIENCE

•Fresher

PERSONAL PROJECTS

–Exposys Data Labs

2022(Nov-Dec)

Project description: To prepare an ML model that can predict a company's profit value.

- * Tools & technologies used: Python (Use of libraries like Seaborn, Matplotlib etc, ML(Beginner)
- * Description: The target is to prepare an ML model which can predict the profit value of a company if the value of its R&D Spend, Administration Cost and Marketing spending are given.

–Personal Portfolio Website

Project description: A personal portfolio created using only HTML, CSS and JavaScript. It has been uploaded on GitHub.

- * Tools & technologies used: HTML, CSS, JavaScript

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–A Library Management System in C

Project description: Building a Library Management System using File Handling in C

- * Tools & technologies used: C

TECHNICAL SKILLS AND INTERESTS

Languages: C, Python, C++*, HTML5, CSS ,JavaScript*

Developer Tools and IDE used: Visual Studio Code, Dev-C++, Spyder

Soft Skills: Problem Solving, Interpersonal Communication, Time management

Coursework: Data Structure and Algorithm(Theory and Lab), C, Python, C++, Computer Organization and Architecture, Probability and Statistics, LPP and Game Theory, Discrete Mathematics and Fuzzy Set Theory, Numerical Analysis, Introduction to Algebra, Differential Equations.

Areas of Interest: AI and ML enthusiast

(* : Beginner or intermediate efficiency)

KEY COURSES TAKEN

Computer Science: Data Structure and Algorithm, C, Python, C++, Computer Organization

Mathematics: Probability and Statistics, LPP and Game Theory, Discrete Mathematics, Numerical Analysis, Algebra

POSITIONS OF RESPONSIBILITY

–**Position:** Core member of NITA Fiction Club (NLC)

2022-Present

–**Position:** Financial Head of Physicus *

2023-Present

(*The club has been created lately)

ACHIEVEMENTS

–**RMO (Regional Mathematics Olympiad)** Achieved 26th position and was eligible for INMO (International Mathematics Olympiad)

–**IMO (International Mathematics Olympiad)** Secured 3rd Position

–**CodeChef(Newbie)** Highest Rating: 1141