Roshni De

B.Tech M.Tech Dual
in Computational Mathematics
National Institute Of Technology, Agartala

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
B.Tech	National Institute of Technology, Agartala	8.61 (Till 4th Sem)	2021-2025
Senior Secondary	Hindi Higher Secondary School (CBSE)	90.8%	2021
Secondary	Holy Cross School (ICSE)	94.8%	2019

EXPERIENCE

Highly motivated IT graduate from NIT Agartala with over 2 years of coding experience. Distinguished by an unwavering commitment to excellence, a tireless work ethic, and an insatiable thirst for expanding technical expertise. Eager to embark on new challenges and contribute innovatively to the dynamic world of IT.

PERSONAL PROJECTS

- **Personal Portfolio Website** *Feb 2023 - Present*
  GitHub
  - A personal portfolio created using only HTML, CSS and JavaScript.
    * Tools & technologies used: HTML, CSS, JavaScript
    * Description: A personal portfolio which includes all the achievements and certifications along with mini projects.

- **Calculator** *Mar 2023*
  GitHub
  - A Calculator built using only HTML, CSS and JavaScript.

- **A Library Management System in C** *Oct 2022 - Nov 2022*
  GitHub
  - Built a Library Management System using File Handling in C. Uploaded on GitHub with the name Libproject

- **Exposys Data Labs** *Nov 2022 - Dec 2022*
  Project description: To prepare an ML model that can predict a company's profit value. **GitHub**
  - Tools & technologies used: Python (Use of libraries like Seaborn, Matplotlib etc. The code is uploaded on GitHub with the name CODE and report as REPORT.
  - 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. (1 month online internship)

TECHNICAL SKILLS

- **Programming Languages and Skills**: C,C++, Python, Data Structure and Algorithms, HTML5, CSS ,JavaScript
- **Developer Tools and IDE used**: Visual Studio Code, Dev-C++, MATLAB, Spyder
- **Soft Skills**: Problem-Solving, Interpersonal Communication, Time management, Problem Analysis, Continuous Process, Language Teaching.

KEY COURSES TAKEN

- **CSE & Mathematics (College)**: Data Structure and Algorithm(Theory and Lab), C, Python, C++, MATLAB, Computer Organization and Architecture, Soft Computing, Financial Mathematics, Statistical Inference, Probability and Statistics, LPP and Game Theory, Discrete Mathematics and Fuzzy Set Theory, Numerical Analysis, Introduction to Algebra, Differential Equations.
- **Others**: DBMS, HTML5, CSS, JavaScript

ACHIEVEMENTS

- **RMO (Regional Mathematical Olympiad)**, Achieved 26th position and was eligible for INMO (Indian National Mathematical Olympiad) *2017*
- **IMO (International Mathematics Olympiad :)**, Secured 3rd Position *2017*
- **LeetCode:** ,50+ Problems Solved
- **HackerRank:** ,C++(5 Star), Python(3 star)
- **Selected as GSSoC'23 (GirlScript Summer of Code) Contributor :**, Selected as a contributor for three months.

POSITIONS OF RESPONSIBILITY

- **Core member of NITA Fiction Club**, NLC Club, NIT Agartala *Apr. 2022 - Present*
- **Financial Head of Physicus**, Physics Club, NIT Agartala *Mar. 2023 - Present*