

# Moumita Chowdhury

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## Objective

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I am seeking a challenging position in an organization where I can learn new skills, expand my knowledge, and help the organization accomplish its ambitions. I am enthusiastic about seeking a position in a company where I can kickstart my career and build a valuable skill set.

## Education

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**Institute Of Engineering and Management, Kolkata** 2023 – 2025  
*M.Tech in Computer Science and Engineering*  
◦ CGPA: 8.57/10  
**International Islamic University Of Chittagong** 2018 – 2023  
*B.Sc in Computer Science and Engineering*  
◦ CGPA: 3.41/4.0

## Work Experience

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**Software Developer (Trainee)** Nov 2025 – April 2026  
**Company: Tuteck Technologies, Kolkata, India**

### Project Name: NSSO India PSD Survey

- Developed and maintained admin portal features for NSSO India PSD Survey, a government-based web survey system, using **ASP.NET Core MVC Architecture, C#, and Razor Views**.
- Implemented data validation, scrutiny, and correction workflows for survey data submitted by field investigators via CAPI application.
- Wrote and optimized SQL queries and stored procedures using **DBeaver** for efficient database access and data integrity.
- Collaborated with development team to implement business logic following MVC architecture and coding best practices.

## Skills

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### Skills

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- **Languages:** Java (DSA, OOP), Python(Basic)
- **Frameworks & Technologies:** ASP.NET Core MVC, Razor Views, Spring Boot, REST API(Postman), HTML, CSS, JavaScript
- **Database:** SQL, MySQL, DBeaver
- **Other:** Networking, Operating Systems, Problem-Solving, Communication

2024

## Academic Projects

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### Indiana Restaurant

- INDIANA is a web application designed to provide users with an interactive and engaging platform for discovering, exploring, and sharing recipes. The application aims to bring together biryani enthusiasts, offer a curated collection of recipes, and allow users to contribute their own recipes and reviews. The project utilizes HTML for structuring content, CSS for styling and layout, and JavaScript for dynamic interactions and functionality.
- Tools Used: HTML,CSS,Java Script

### Rice Leaf Disease Detection

*2024 – 2025*

- Developed a machine learning-based web application to identify rice leaf diseases using a pre-trained MobileNetV2 model. Deployed the model using FastAPI to create API as Backend for real-time image classification. Integrated the backend with frontend, allowing users to upload leaf images and get instant disease predictions.
- Tools Used: Python,Jupyter Notebook,PyCharm,Transfer Learning, TensorFlow/Keras, FastAPI, React.js

## M.Tech Survey Paper

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### A Survey on Rice Plant Diseases Detection and Classification

*2025*

- Presenting an in-depth review of detection methods and classification techniques used in Rice Plant Disease Detection.
- **Published in: International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 13, Issue V, May 2025.**

## Languages

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- Bengali
- English
- Hindi