

# Marsha Sharma

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## EDUCATION

### Meghnad Saha Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Kolkata, West Bengal

Aug. 2023 – May 2027

### Beachwood School

Higher Secondary (12th Grade – Science)

Durgapur, West Bengal

May 2021 – May 2023

### Carmel Convent High School

Secondary (10th Grade)

Durgapur, West Bengal

2021

## PROJECTS

### Flavorique | Angular, Node.js, Express.js, MongoDB | [Code](#)

June 2025

- Developed a recipe-sharing web application using the MEAN stack with modular Angular components and robust Node.js backend.
- Implemented JWT-based authentication and route guards to secure user and admin access workflows.
- Enabled content moderation for admins and CRUD functionality for users using RESTful API endpoints.
- Optimized load times and navigation speed through Angular lazy loading and route preloading strategies.

## EXPERIENCE

### Content Developer

EasyChemistry.JEENEET (Educational YouTube Channel)

August, 2024 - January, 2025

Online

- Authored engaging video scripts, visual content, and concise study materials tailored for JEE/NEET aspirants.
- Structured topic-wise quizzes and NCERT-aligned notes to enhance conceptual clarity and retention.
- Contributed to a growth in channel engagement through consistent content output and improved content formatting.

## CERTIFICATIONS

### Angular and Node.js

The MEAN Stack Guide, Udemy

Certificate

- Built full-stack applications using MongoDB, Express, Angular, and Node.js.
- Engineered RESTful APIs and established data flow between front and backend.
- Deployed end-to-end JWT authentication for user signup and login workflows.
- Applied error handling, async programming, and middleware chaining for robust backend design.

### Angular

The Complete Guide, Udemy

Certificate

- Mastered core Angular concepts including components, directives, services, and reactive forms.
- Configured routing, navigation, and route guards for building secure SPAs.
- Integrated backend services with HttpClient for real-time data binding.
- Implemented dynamic component rendering, custom pipes, and observables.

## TECHNICAL SKILLS

**Languages:** Java, C, Python, JavaScript, HTML, CSS, SCSS

**Frameworks and Libraries:** Angular, React, Node.js, Express.js, MongoDB, Mongoose

**Developer Tools:** Git, VS Code, Visual Studio, Eclipse

**Key Concepts:** Data Structures and Algorithms, REST APIs, JWT Authentication, Responsive Design

## ADDITIONAL INFORMATION

**Soft Skills:** Problem Solving, Team Collaboration, Time Management

**Languages Known:** English, Hindi, Bengali