

# ADITI CHAUDHURI

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## SUMMARY

Detailed-oriented Computer Science & Engineering student with a strong foundation in Full Stack Web Development. Proficient in building responsive front-end interfaces and efficient back-end logic using Python, SQL, and JavaScript. Proven ability to develop user-centric applications like roommate finders and financial trackers. Eager to leverage technical skills in a professional Web Development role.

## EDUCATION

### Sister Nivedita University | Bachelor of Technology (B.Tech) in CSE | 2023 – 2027

KeyCoursework: Data Structures and Algorithms, Object-Oriented Programming (OOPs), Database Management Systems (DBMS), Software Engineering, Computer Networks.

Burdwan Municipal Girls' High School | 12th: 2023 | 10th: 2021

## PROJECTS

### Matenest | Roommate Finder Full Stack Web Application | [Live Demo](#)

- Engineered a secure, end-to-end roommate matching platform.
- Featuring a robust JWT-based authentication system and a dynamic request-response workflow.
- The application streamlines the urban housing search by utilizing a specialized matching algorithm based on user-defined filters and real-time status updates.
- Tech: Backend: Python(Flask), Database: MySQL, Frontend: HTML5, CSS3, & Bootstrap 5, Templating: Jinja2

### Expense Tracker Application | [Live Demo](#)

- Engineered a data-driven financial tool using Python to manage and visualize personal expenditures.
- Applied logic-based programming to calculate balances, track categories, and provide real-time budget updates.
- Utilized clean coding practices to ensure modularity and ease of future database integration.

### Professional Portfolio | [Live Demo](#)

- Architected a personal branding site to showcase development projects and technical certifications.
- Optimized site performance and accessibility standards for high-speed loading.

## CERTIFICATIONS

- Introduction to DevOps – IBM
- Python Essentials for MLOps – Duke University
- Generative AI: Prompt Engineering Basics – IBM
- Introduction to Artificial Intelligence – IBM
- Generative AI: Introduction and Applications – IBM

## SKILLS

### TECHNICAL SKILLS

- Web Development: HTML, CSS, JavaScript, Bootstrap
- Programming Languages: Python, C, C++, Java
- Databases: SQL
- Tools & Version Control: VS Code, GitHub, Git

### SOFT SKILLS

- Problem Solving: Strong analytical approach to debugging and code optimization.
- Communication: Active collaborator with experience in presenting technical concepts clearly.