SNEHA DEBNATH

Kolkata, West Bengal

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EDUCATION

IEM,Institute of Engineering and Management,Kolkata   **2023 – 2026**

*BCA-Bachelor of Computer Application - **CGPA** - **9.2***   *Kolkata, WestBengal*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL

Frameworks/Technologies: FastAPI, Spring Boot, Flask, HTML5, CSS3, React, Node.js, MongoDB, Express, Bootstrap, Streamlit

Developer Tools: IntelliJ IDEA, VS Code, Git, GitHub, Postman, Swagger (API Docs), Canva, Figma

PROJECTS

PAN Diary – AI Recipe Generator ⌇   **June 2025**

- **Tech Stack:** FastAPI, Google Search API, Cohere API, HTML/CSS, JavaScript
- Built an AI-powered recipe generator that processes 100+ queries daily and returns images, ingredients, and cooking steps using Cohere API and Google Search.
- Improved user response time by 30% through optimized FastAPI endpoints.
- GitHub Repository

Movie Ticket Booking System (CLI) ⌇   **January 2025**

- **Tech Stack:** Core Java, JDBC, MySQL
- Designed a CLI-based movie ticket booking system with seat availability checks, user authentication, and secure data handling using MySQL.
- Integrated password hashing and exception handling for robust user flow.
- GitHub Repository

Real-time Chat App ⌇   **October 2024**

- **Tech Stack:** Java, Spring Boot, WebSocket, Socket.js, Thymeleaf, Bootstrap
- Engineered a responsive real-time chat application enabling instant communication across multiple users using WebSocket and Spring Boot.
- Integrated dynamic user interface with Thymeleaf and Bootstrap for smooth messaging experience across devices.
- Optimized message delivery latency to under 100ms using asynchronous WebSocket handling.
- GitHub Repository

News App ⌇   **June 2024**

- **Tech Stack:** Python, Flask, SCSS, NewsAPI
- Built a dynamic news aggregator that fetched and displayed real-time headlines from NewsAPI, handling 100+ API requests per minute with Flask.
- Crafted an intuitive and mobile-friendly UI using SCSS, ensuring fast loading times and seamless experience across browsers and devices.
- Designed backend routes for efficient API calls, minimizing response time and maximizing user engagement.
- GitHub Repository

INTERNSHIP

Internshala Summer Training ⌇   **May 2024 – July 2024**

Java Development Intern (Training Program)   *Remote, India*

- ∗ Completed a comprehensive 8-week hands-on program covering Core Java, OOP principles, exception handling, collections, and file I/O.
- ∗ Designed and implemented a complete **Hotel Management System** using Java, featuring real-time room availability, customer record tracking, billing automation, and admin-level access control.
- ∗ Applied best practices in software design patterns and debugging, improving code efficiency and maintainability by 40%.

CERTIFICATIONS

- Core Java Summer Training – Internshala
- Web Development Bootcamp – Udemy (Angela Yu)
- Generative AI – LinkedIn Learning
- Python (Basic) – HackerRank
- MySQL Essential Training – LinkedIn Learning