# ARITRA KARAN

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## PROFESSIONAL SUMMARY

**Dedicated** MERN stack developer with hands-on experience in building **responsive web applications** using **React.js**, Node.js, Express.js, and MongoDB. Exhibits strong problem-solving skills and a commitment to learning new technologies.

## EDUCATIONS

| Year | Degree | Institute | CGPA/MARKS |
|------|--------|-----------|------------|
| Sep 2020 - Jul 2024 | B.Tech CSE | SRM Institute of Science and Technology | 8.48 |

## PROJECTS

**Ai-Powered study abroad counsellor** | 🔗 LINK                                    Jan 2026 - Jan 2026
*Full-Stack Developer*

- Designed and developed a full-stack **AI-powered study abroad counselling platform** using the **MERN stack** within a **7-day rapid development cycle**.
- Integrated **Groq AI with LLaMA-3.1-8B-Instant model** to build intelligent counselling workflows based on candidate profiles.
- Implemented **AI-driven automation features**, including:
  - Auto task generation for application and preparation workflows
  - Smart university shortlisting based on profile matching
  - Auto university locking based on eligibility and strategy logic
- Built scalable **REST APIs** using **Node.js and Express.js** for authentication, profile processing, and AI orchestration.
- Developed responsive and dynamic UI components using **React.js** to deliver real-time AI counselling insights.
- Optimized database schema and queries using **MongoDB** for efficient profile and university data handling.
- Implemented secure authentication flows and session management.
- Managed version control, collaboration, and deployment workflows using **Git and GitHub**.
- Focused on production-ready architecture with modular services and maintainable code structure.

*Technologies / Tools Used* : *MongoDB, Express, React, Node.js, Tailwind CSS*

**AI Virtual Voice Assistant** | 🔗 LINK                                    Jan 2026 - Jan 2026
*Full-Stack Developer*

- **Developed** a full-stack **AI-powered virtual voice assistant** web application using the **MERN stack** (MongoDB, Express.js, React.js, Node.js).
- **Integrated** OpenRouter API with the Google Gemini-3 Flash Preview model to generate real-time, context-aware AI responses.
- **Implemented** voice input and output functionality for seamless user interaction and designed scalable backend APIs for authentication and AI processing.

*Technologies / Tools Used* : *MongoDB, Express, React, Node.js, Tailwind CSS*

**CloudCart – Full-Stack E-Commerce Web Application** | 🔗 LINK                    Oct 2025 - Nov 2025
*Full-Stack Developer*

- Developed a **full-stack e-commerce web application** using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** focusing on **scalability** and **performance**.
- Implemented core e-commerce features including **user authentication**, **product management**, and **order processing**.
- Used **Redux Toolkit** for global state management and created a responsive, mobile-first interface with **Tailwind CSS**.

*Technologies / Tools Used* : *MongoDB, Express.js, React.js, Node.js, Redux Toolkit, Tailwind CSS, HTML5, JavaScript (ES6+), Git, GitHub*

**CloudCart Admin Panel – E-Commerce Management System** | 🔗 LINK                  Oct 2025 - Nov 2025
*Full-Stack Developer*

- Developed a secure admin panel for managing an e-commerce platform using the **MERN stack (MongoDB, Express.js, React.js, Node.js)**.
- Implemented **role-based authentication and authorization** to restrict access to admin users.
- Built features for **product management, order management, user management**, and **dashboard analytics**, utilizing **Redux Toolkit** for global state management.
- Designed a responsive interface with **Tailwind CSS and HTML5** and integrated **RESTful APIs** for real-time data updates.
- Ensured secure data handling and clean code practices.

*Technologies / Tools Used* : *MongoDB, Express.js, React.js, Node.js, Redux Toolkit, Tailwind CSS, HTML5, JavaScript(ES6+), Git, GitHub*

## PROJECTS

**My-portfolio** | 🔗 LINK                                          Jan 2025 - Feb 2025
*Frontend Developer*

- Developed a **responsive** and **interactive** personal portfolio website using **React.js** to showcase projects and skills.
- Integrated **Three.js** for rendering **real-time 3D models** and **GSAP** for high-performance animations.
- Focused on **clean UI**, performance optimization, and cross-device compatibility.

*Technologies / Tools Used* : *React, Three js, Tailwind CSS, GSAP, HTML5, JavaScript (ES6+), Git, GitHub*

**NewsHack – React-Based News Web Application** | 🔗 LINK              Nov 2024 - Dec 2024
*Frontend Developer*

- **Developed** a daily news web application using **React.js** to fetch and display real-time news data from a **News API**.
- Built a responsive, user-friendly interface with **Bootstrap** for browsing news articles across multiple categories.
- Implemented API integration, dynamic content rendering, and efficient state management for a fast, smooth user experience.

*Technologies / Tools Used* : *React.js, JavaScript (ES6+), Bootstrap, HTML5*

## SKILLS

| | |
|---|---|
| **Programming Languages** : | Java, JavaScript |
| **Frameworks & Libraries** : | React, Express |
| **Tools & Platforms** : | Git, GitHub |
| **Databases** : | MongoDB |
| **Soft Skills** : | Communication, Teamwork, Critical Thinking, Creativity, Problem Solving, Adaptability, Time Management |
| **Languages** : | English, Bengali, Hindi |