

Arindam Mriganka Sengupta

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

Career Objective

Aspiring Full Stack and Mobile App Developer with a strong foundation in MERN Stack, C++ (DSA), and software development. Passionate about building efficient, scalable startups and user-friendly applications. Seeking opportunities to apply skills in real-world engineering challenges.

Education

Bennett University, Greater Noida, India

B.Tech in Computer Science & Engineering

Percentage: 91.14%

Current Sem: 7th **Higher Secondary Education (Class XII)**

2022 – 2026

Completed

Technical Skills

Languages: C++, JavaScript, SQL

Web Technologies: MERN Stack (MongoDB, Express, React, Node.js), HTML, CSS, REST APIs

Mobile Development: React Native (Android & iOS)

Tools & Platforms: Git/GitHub, Postman, Render, Vercel, Cloudinary, AWS, Redis, Brevo, Expo, Android Studio

Key Concepts: Data Structures Algorithms, OOPs, API Integration, Authentication (JWT/OAuth), Agile

Experience

AVA International Pvt. Ltd.

Operations Intern

Noida Sec-125, India

Previous

- Managed and maintained company websites, ensuring high uptime and performance monitoring.
- Streamlined operational workflows to improve internal digital processes and efficiency.
- Handled data-related tasks and generated structured analytical reports for management review.
- Collaborated with cross-functional teams to resolve website and operational bottlenecks.

Projects

Arivo Homes

Zero-Brokerage Housing Platform (Startup Project)

arivohomes.com

Node.js, Express, Redis, OAuth, Brevo

- **Real-World Validation:** After deployment, successfully onboarded **20 real property owners** and **15 tenants** to test the project in a real-world environment.
- **Backend Architecture:** Engineered a robust Node.js/Express API with **Redis** caching to handle session management and reduce database load.
- **Security & Features:** Integrated **Google OAuth** for frictionless authentication and **Brevo** for automated transactional emails (OTPs, Booking Confirmations).
- **DevOps & SEO:** Managed domain configuration, SSL certification, and deployment on **Render**; optimized site structure for local SEO visibility.

Chatty

Full-Stack Real-Time Chat Application

[GitHub](#)

React.js, Node.js, MongoDB, Socket.IO

- Developed a full-stack real-time chat application using Socket.IO for low-latency, bidirectional communication.
- Designed a scalable MongoDB schema to efficiently store user profiles, chat history, and message metadata.
- Implemented JWT-based authentication ensuring secure private and group messaging.
- Integrated Cloudinary for seamless image uploads and media handling within chats.
- Built a modern, responsive UI using DaisyUI with 20+ customizable chat themes.
- Implemented real-time features including online/offline user presence indicators.
- Added capability for real-time voice and video calling functionality using Socket.IO signaling.

E-Commerce Website

Full-Stack E-Commerce Application

[GitHub](#)

Node.js, Express.js, MongoDB, REST API

- Implemented secure JWT-based authentication, product management, shopping cart, and user profile features.
- Built advanced filtering mechanisms to enhance product discovery and optimize user experience.
- Developed a secure password recovery system using OTP-based email verification with Nodemailer.
- Implemented role-based access control (RBAC), allowing only authorized admins to manage inventory.