

Amit Kumar

Bachelor of Engineering
JSS Academy of Technical Education

+91-9693681845

✉ amitantu7277@gmail.com

🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

- **Bachelor of Engineering in Computer Science and Engineering** 2021-25
JSS Academy of Technical Education
- **Pre-University Education (PCM)** 2018-20
Anugrah Narayan College

PROJECTS

• Spotify-Clone

Developed a Spotify-like web application providing seamless music streaming functionality.

- Built using JavaScript(ES6), HTML, CSS, Tailwind CSS, and ReactJS, providing an intuitive and responsive user interface.
- Implemented a reliable backend with Node.js v21.0.0 and Express.js for managing user authentication, music data, and playlist features.
- Integrated Socket.IO to enable real-time communication, reducing user interaction latency by 30%.
- Designed features to play, pause, and manage playlists and chat between 2 listeners, mimicking Spotify's core functionality.

• Wedding Management

Developed a full-stack web application to efficiently manage wedding guest lists.

- Designed an intuitive and user-friendly interface using HTML, CSS, and JavaScript(ES6), with EJS for templating and jQuery for interactions.
- Built a robust backend with Node.js and Express.js(4.21.2), ensuring scalability and optimized performance.
- Integrated PostgreSQL for secure and reliable database management, storing and managing data for over 10,000 guests across multiple events.
- Enabled seamless addition and viewing of guests, reducing guest management time by 50% through a streamlined user experience.

• Real-Time Tracker

A web application for real-time location tracking with updates and user notifications.

- Implemented Socket.IO for bidirectional communication, reducing data update latency by 40% and enabling near-instantaneous real-time updates.
- Efficiently managed user connections and disconnections, with notifications sent to 95% of users within 2 seconds of status changes.
- Created real-time, views using EJS for updates without page refreshes.
- Utilized Node.js(v21.0.0) and HTTP server modules for web server and WebSocket management.

POSITION OF RESPONSIBILITY

• Sudo Club

May 2022 - Present

Technical Mentor and Event Coordinator

Onsite

- Conducted interactive sessions to explain data structure and algorithm concepts to juniors, fostering a better understanding of fundamental programming topics.
- Organized QNA sessions and conducted mock exams to help students prepare for technical interviews effectively.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, JavaScript, HTML, CSS

Libraries/Framework: NodeJs, ExpressJs, ReactJs

Cloud/Databases: Relational Database (MySQL), MongoDB

Tools/Platform: Git/GitHub, VS Code.

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Object-Oriented Programming, Database Management System.

ACHIEVEMENTS AND CERTIFICATIONS

- **Ranked 10th in college on the GeeksforGeeks platform with 441 problems solved.**
- **Rating of 1531 on LeetCode (top 35.27 percent)**
- **30 days Coding challenge Certificate**