Md Aman

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Education

Bachelor of Computer Applications (BCA)	Expected May 2026
Patna College (PU), BIHAR	SGPA: 8.89/10
Higher Secondary (12th)	2023
Patna Collegiate, ISC	79.80%
Secondary (10th)	2021
DR. Zakir Hussain H/S, BSEB	90.80%

Summary

Enthusiastic software engineering student with strong skills in backend development using JavaScript. Experienced in building robust web applications and eager to apply technical knowledge to create innovative, efficient solutions.

Skills

- **Programming:** JavaScript, Java, HTML, CSS, EJS
- **Frameworks & Libraries:** Node.js, Express, React.js, Next.js, Bootstrap, Axios, Leaflet
- **Databases & Caching:** MongoDB (Atlas), Redis, SQL, Google Sheets API
- **Backend & Auth:** REST APIs, JWT Authentication (Cookie-based), Session Management, Role-based Access Control
- **Core CS Concepts:** Data Structures & Algorithms, Microservices, Asynchronous Programming
- **Deployment & Tools:** Railway, Render, Hostinger, Git, GitHub, Postman, VS Code, GitHub Actions
- **Soft Skills:** Problem Solving, Communication, Team Collaboration, Fast Learning

Projects

GrowthAffinity - MLM System (Live Project)
Link: growthaffinitymarketing.com | Docs: Link

- Built a full production-grade MLM system using Node.js, Express, MongoDB, Redis and JWT.
- Designed a binary tree placement algorithm for left/right referrals and level tree logic for 30 level income generation.
- **Implemented:** Business volume (BV) calculation, Matching income based on subtree BV, Level income with status-based depth, Status & Rank reward system based on direct referrals & team performance
- Developed 100% backend using microservices and API Gateway, with centralized error handling & Redis caching.
- Admin dashboard includes top-up/withdrawal approval system & KYC handling.
- JWT-based cookie auth with secure route protection and role-based access.
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Zoom-Style Video Calling Application
Link: zoom-project-frontend-1gp4.onrender.com | GitHub: Link
React.js, Node.js, Express.js, WebRTC, Socket.IO, MySQL

- Built a full-stack real-time video calling web app inspired by Zoom, enabling peer-to-peer video/audio communication using WebRTC.
- Implemented Socket.IO for real-time signaling and user connection management.
- Designed a responsive, modern UI with a split-screen layout and glassmorphism-styled authentication pages.
- Ensured smooth UX across devices, with dynamic video room features and join/leave event handling.

Wanderlust (Airbnb Replica)
GitHub: Link

- Engineered a full-stack web application using Node.js, Express, and EJS, with Bootstrap for responsive design.
- Integrated Leaflet and Axios for dynamic geocoding maps, enabling location-based property searches.
- Implemented secure user authentication and authorization using session management.
- Utilized Cloudinary for efficient image uploads, enhancing property listing visuals.

CRUD-Based SQl Project with Express.js Bakend

GitHub: Link

- Built a dynamic full-stack application using Node.js, Express.js, EJS, and MySQL for structured data management
- Implemented CRUD operations to allow users to Create, Read, Update, and Delete data records.
- Designed responsive front-end templates with EJS for dynamic server-side rendering.
- Ensured efficient database interactions using optimized SQL queries.

Simon Game: Technologies Used Html, CSS, JavaScript

GitHub: Link

- Built a browser-based interactive memory game inspired by "Simon Says" to engage users with addictive gameplay.
- Integrated Twilio WhatsApp API to receive and respond to real-time user queries.
- Developed logic to parse user input and return personalized status updates instantly.
- Players must repeat randomized sequences, leveling up as they succeed.