ANSHUMAN SINGH

 LinkedIn | 📱 8088272723 | 🌐 **AnshumanSinghPortfolio** | ✉ Anshuman Singh | ⦿ **GitHub**

Skills and Certification

- **C++ | Java | JavaScript | Python | MYSQL | Node | Express | React| Multer | NoSQL | Git | Reddis | Bits and Bytes – coursera**
- **OOP's| EJS | Frontend | Backend | Full-Stack | English, Hindi, Kannada –** *All professional proficiency or above*

Projects

DevTube   **Dec'24**

Developed a fully functional YouTube-like web application with features for user authentication, video uploads, real-time interactions, and dynamic content management.

- **Cross-Platform Accessibility**: Built a feature-rich web application using **Node.js** and **EJS**, delivering a seamless and responsive user experience across devices.
- **Dynamic Content Management**: Designed a scalable video upload and storage system using **Multer** and integrated **Bunny CDN** for efficient video storage and streaming. Leveraged **ImageKit** for optimized image uploads and delivery.
- **Real-Time Interactions**: Enabled live notifications and real-time communication with **Socket.io**, enhancing user engagement and platform interactivity.
- **Authentication and Security**: Integrated **Google OAuth 2.0** with **Passport.js** and managed secure user sessions with **Express-Session**, ensuring data privacy and robust authentication mechanisms.
- **Backend Optimization**: Developed and optimized RESTful APIs using **Express.js** and **Node.js**, improving server performance, reliability, and response times.
- **Data Management**: Implemented a robust and scalable database using **MongoDB** with **Mongoose**, supporting efficient storage and retrieval of user and video data.
- **Content Delivery Efficiency**: Utilized **Bunny CDN** for high-performance video delivery, ensuring smooth playback with minimal latency and optimized storage costs.
- **Modular Code Architecture**: Leveraged **module-alias** to maintain clean and structured code, ensuring scalability and ease of maintenance.

Khatabook   **Nov'24**

A secure web-based platform for managing and organizing financial records ("Hisaabs") with features to create, view, edit, and delete entries. It offers a user-friendly interface to help users track their finances efficiently.

- **Developed** a full-stack web application for managing personal financial records using **Node.js**, **Express.js**, **MongoDB**, and **EJS** templating engine.
- **Implemented** user authentication and session management using **Express-Session** to ensure secure access to financial data.
- **Created** dynamic CRUD (Create, Read, Update, Delete) operations to manage and track financial entries (Hisaabs), allowing users to create, edit, view, and delete financial records.
- **Integrated** file storage and retrieval system with **Node.js File System (fs)** module for managing financial records as local text files.
- **Utilized MongoDB Atlas** for cloud-based data storage, ensuring high availability and scalability.
- **Implemented** middleware functions to handle user authentication, error handling, and routing efficiently.
- **Enhanced** user experience by integrating **Tailwind CSS** for responsive and modern UI design, improving the overall usability of the application.
- **Monitored** and logged application performance and HTTP requests using **Morgan**, improving debugging and server-side performance analysis.

Education

VIT Bhopal University   **2022 - 2026**
- BTech In Computer Science with specialization in Cloud Computing| CGPA: **8.59**   **(expected)**

Positions of Responsibility

Geeks For Geeks Student chapter| Event Management   **Jun'22 - Jun'23**
- **Managed Advitya:** Orchestrated Geek Gala, a major event featuring over 200 participants. The event included technical competitions and workshops, such as coding challenges and seminars, showcasing emerging technologies. This resulted in a 40% increase in participant engagement and a 25% rise in event feedback ratings.