OM ASANANI

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Education

VIT Bhopal University   Oct. 2022 – Apr. 2027
*Integrated M.Tech - Artificial Intelligence (**CGPA:-** 8.29)*   *Bhopal, Madhya Pradesh*

Vyas World School   May. 2021 – Apr. 2022
*Senior Secondary (**Percentage:-** 93%)*   *Bareilly, Uttar Pradesh*

Experience

InnoByte Services   Nov. 2024 – Dec. 2024
Backend Developer Intern   *Remote*

- **Developed** and **secured user authentication and registration APIs** with **robust JWT-based authentication and validation**, **enhancing system security and user integrity**.
- **Integrated SendGrid** for **automated email notifications**, **streamlining user onboarding** by providing smooth email communication for registration confirmation.
- **Configured and thoroughly tested MongoDB** for local development and **documented API endpoints using Swagger UI**, **improving developer efficiency** through easy setup instructions and interactive testing.

Projects

Deezcord | *Nextjs, Typescript, Shadcn/ui, Clerk, Prisma, Socket.io, LiveKit*   **February 2025**

- **Engineered "Deezcord", a Discord-like communication platform**, utilizing Next.js, TypeScript, and Shadcn/ui for a seamless UI, with secure user authentication via Clerk.
- **Implemented robust real-time features**, including chat rooms and media sharing with Socket.io and uploadThing, alongside persistent message storage using Prisma (MySQL).
- **Integrated advanced multimedia communication**, developing video and audio conferencing rooms using LiveKit MediaRooms for enhanced user interaction.
- **Implemented Real-Time chat rooms** using **Socket.io** and integrated media-sharing capabilities using uploadThing.

StudyConnect | *Python, Django, HTML, CSS, JavaScript, SQLite, Socket.IO*   **December 2024**

- **Developed** a **real-time chat room platform** for study-related topics, **enhancing user collaboration** with robust user authentication and seamless messaging.
- **Designed and integrated data models** for users, topics, messages, and rooms, **optimizing content organization** by allowing each room to be categorized under multiple topics.
- **Implemented Socket.IO** for **real-time messaging** and **enhanced interactivity**, **ensuring smooth and dynamic communication** among users.

Capture the Flag Multiplayer Game | *HTML, CSS, JavaScript, Node.js, Express, Socket.IO*   **October 2024**

- **Designed and built a real-time multiplayer game** for up to 4 players, **providing an engaging competitive experience** to capture and dominate territory.
- **Enabled efficient room-based matchmaking** and **integrated a live chat system**, **improving player interaction and game awareness** through real-time updates.
- **Developed core mechanics** for **game state synchronization and dynamic updates**, **ensuring smooth, fair, and responsive gameplay**.

Technical Skills

Languages: JavaScript, Typescript, Python, HTML/CSS, SQL
Developer Tools: Neovim, VSCode, Postman
Technologies/Frameworks: Linux, Git, GitHub, Node, Express, PostgreSQL ,MongoDB, Socket.IO, Django, Nextjs

Leadership / Extracurricular

VIT Bhopal Tech Hackathon   **March 2024**
API Developer   *VIT Bhopal University*

- Developed backend APIs for an e-commerce platform using the MERN stack.
- Contributed to a collaborative project aimed at streamlining online shopping functionalities.
- Worked in a team to deliver a functional prototype within the hackathon timeframe.