

Arnav Ranjan

Bihar Sharif, Nalanda, Bihar, India - 803101

Email: arnavranjan005@gmail.com | Phone: +91 91426 02622

LinkedIn: <https://www.linkedin.com/in/arnav-ranjan-46a630281>

Github: <https://github.com/arnavranjan005>

Professional Summary

Motivated and detail-oriented Full-Stack Developer with hands-on experience in building scalable and efficient web applications. Proficient in modern backend and frontend

technologies including Prisma ORM, Rest Api, GraphQL, MongoDB, Neo4j (Graph Db), PineconeDb (vector Db), Redis, Docker, AWS, React.js, and strong foundation in

Data Structures and Algorithms (DSA). Passionate about leveraging technology to solve complex challenges and enhance user experience.

Skills

Backend: Prisma ORM, Redis, Docker, AWS, Node.js, Express.js, MongoDB, PostgreSQL, WebRTC, WebSocket, PineconeDB, HuggingFace (Transformer.js), Neo4jDB, Mediasoup, Nginx, PM2, Arcjet, (Server sent event) SSE

Frontend: Next.js, React.js, EJS, HTML, CSS, Tailwind CSS, UI Kits (e.g., Shadcn, Chakra UI)

Programming Languages: JavaScript, TypeScript, C/C++

Tools & Platforms: Git, GitHub, Docker, AWS, Cloudflare, Cloudinary, ImageKit, Google Cloud Platform (GCP), Render

Other: Strong understanding of Data Structures and Algorithms

Education

Bachelor of Technology in Computer Science

IIIT Sri City, Andhra Pradesh (2023 - 2027)

Projects

Cookie String Parser :

Link: <https://www.npmjs.com/package/cookie-string-parser?activeTab=versions>

- Technologies: TypeScript, TSUP Bundler, JavaScript
- Enables developers to generate and verify JWT tokens
- Parses cookie strings for seamless middleware integration
- Provides middleware for setting cookies in requests

Tic-Tac-Toe vs Computer:

Technologies: HTML, CSS, JavaScript

- Implemented an optimized algorithm for AI-based gameplay

Full-Stack Social Media App (PWA) – Beta Deployed:

Live (beta) Link: <https://www.room-anchor.space>

LinkedIn Announcement: https://www.linkedin.com/posts/arnav-ranjan-46a630281_productlaunch-beta-webdev-activity-7337780581595787264-NAPL?utm_source=share&utm_medium=member_desktop&rcm=ACoAAESdTZIBzmw4zJFcJ6pvjn6Vu61_NwoJcQM

Technologies: Tailwind CSS, Shadcn UI, Express.js, Next.js, BullMQ, Redis, MongoDB, Docker, AWS, Neo4jDB, PineconeDB, HuggingFace, WebRtc-Mediasoup, Cloudinary, ImageKit, R2 bucket(cloudflare), Render, JWT, PM2, Nginx, Arcjet(email validation), Socket.io, Ffmpeg

Developed and deployed the beta version of a real-time social media PWA, featuring:

AI agent (Agentica) for providing my website agentic workflow

Real-time chat with private room control for hosts

Intelligent post suggestions using NLP/AI with feedback-driven improvement

Semantic search for posts and profiles

SEO best practices for metadata-based ranking

Successfully deployed backend and frontend; announced the beta on LinkedIn to gather early user feedback

Scaled services using BullMQ with Redis Pub/Sub and Socket.io for real-time features

Enabled secure authentication using JWT tokens and cookies

Languages

- Hindi (Fluent)
- English (Intermediate/Professional Working Proficiency)

References

Available upon request.