Amar Mahato

https://www.linkedin.com/in/rxbru | https://github.com/rx6ru

Summary

Software Engineer Intern with a strong foundation in computer science, experienced in full-stack development using JavaScript, TypeScript, React.js, and Next.js. Demonstrated skills in building responsive user interfaces and developing scalable backend solutions with MongoDB and Node.js. Excited to join a dynamic fintech team, contribute to cross-functional projects, and deliver innovative, user-focused solutions.

Projects

Concize - Transcribe and Chat with your Meeting Content | https://github.com/rx6ru/Concize   **Jul 2025**
- A browser extension for real time transcription of meetings and QnA chat with the meeting content powered by AI.
- Job Queuing of Audio Chuck Processing Jobs using RabbitMQ
- Chunking Audio Transcriptions further based on micro Topics, and summarising.
- Using Efficient RAG pipeline to power the QnA chatbot
- Using GroqCloud's provided LLM for Speech-to-text and Logical chunking, and Gemini for embedding model and powering the chatbot
- Qdrant Cloud for Vector DB

Wombat Vault - Secure API storage & Custom Proxy API generation | https://github.com/rx6ru/wombat   **Sep 2025**
- Securely Store API keys
- Proxy API generation wirh custom usage limitations
- AWS KMS for Encryption Key and Data key management
- Handling Concurrent API calls
- Custom SDK support for APIs of LLM providers
- Elastic Search, Pagination and Secure API fetching logic
- Redis for Rate limitting and cashing frequent user profile and Data Key lookup

W2Chat – Real Time Chat App for Closed Circle Group | https://w2chat.onrender.com/   **Feb 2025**
- Real-Time chat-app with Socket.io websocket
- MongoDB for database and Mongoose for ODM
- JWT for Auth
- Express Backend and ReactJS Frontend
- Cloudinary for File storage

Vakalatnama Web - Home Platform for Pvt. Student Association | https://vakalatnama-web.vercel.app/
- Smooth and Beautiful Landing Page
- Custom notice board for Petitioners

Skills

- **Frontend Technologies**: React.js, Next.js, Tailwind CSS
- **Backend Technologies**: Express.js, Node.js, Socket.io, JSON Web Token (JWT), Ffmpeg, Cloudinary, RabbitMQ, Redis, FastAPI, Prisma, Drizzle,
- **Programming Languages**: JavaScript, TypeScript, Python (Programming Language), Rust (Programming Language)
- **Databases**: MongoDB, SQL, NeonDB, Vector Databases, Qdrant - VectorDB, Pinecone - VectorDB
- **Cloud & DevOps**: AWS, CI/CD Pipelines, GroqCloud, MCP
- **Development Methodologies**: Full-stack Development, Prototyping Model

Education

Dr. B.C. Roy Engineering College   **Aug 2023 - Jun 2027**
Bachelor of Technology - BTech

Beachwood School   **Apr 2020 - Apr 2022**
12th, Science