

Amar Mahato

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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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Securely Store API keys• Proxy API generation with 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 limiting and caching frequent user profile and Data Key lookup	
W2Chat – Real Time Chat App for Closed Circle Group https://w2chat.onrender.com/	Feb 2025
<ul style="list-style-type: none">• 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/	
<ul style="list-style-type: none">• 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 <i>Bachelor of Technology - BTech</i>	Aug 2023 - Jun 2027
Beachwood School <i>12th, Science</i>	Apr 2020 - Apr 2022