

SHAYAN BANIK

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PROFESSIONAL SUMMARY

Aspiring Software Engineer with hands-on experience developing full-stack, real-time, and AI-powered applications. Strong foundation in Data Structures & Algorithms and problem-solving. Seeking a software engineering role to solve technical challenges, contribute to impactful products, and continuously learn new technologies.

EDUCATION

B.Tech, Computer Science & Engineering — ICFAI University, Tripura CGPA: 9.41 / 10	<i>Expected 2027</i>
Higher Secondary (Science, Mathematics) Score: 81.0%	<i>2022</i>
Secondary Education (Class 10) Score: 85% Mathematics: 100/100	<i>2020</i>

SKILLS

Languages: C/C++, JavaScript, TypeScript, Python (Basic), SQL
Frontend: React.js, Next.js, Vite, Redux Toolkit, Tailwind CSS, HTML5/CSS3
Backend: Node.js, Express.js, REST APIs, Socket.IO
Databases: MongoDB, MySQL, PostgreSQL, Pinecone
Tools & Technologies: JWT, OAuth 2.0, Cloudinary, Multer, Git/GitHub, Vercel, Render, Docker, AWS, CI/CD, Jest
Soft Skills: Leadership, Communication, Problem-Solving, Teamwork

PROJECTS

- AI-Powered Learning Management System (LMS) | React.js, Node.js, Express.js, MongoDB, Gemini AI**
- Engineered a full-stack LMS with separate Student and Educator dashboards, Google OAuth 2.0 authentication, and Razorpay payment integration for course enrollment.
 - Integrated Google Gemini AI for natural-language course search and discovery; used Redux Toolkit and Cloudinary for state management and media workflows.
 - Attained a 97 PageSpeed performance score with 1.2s LCP through code splitting and image optimization.
- ChatBuddy – AI-Powered Chat Application | React.js, Node.js, Socket.IO, Google GenAI, Pinecone**
- Built a full-stack conversational platform with real-time messaging and a RAG architecture using Pinecone vector search for context-aware AI responses.
 - Enforced JWT authentication, bcrypt password hashing, protected APIs, and cookie-based session management.
 - Delivered a 98 PageSpeed performance score with 1.5s LCP through optimized rendering and caching.
- AI Resume Analyzer & Interview Prep Platform | React.js, Node.js, Express.js, MongoDB, Gemini API**
- Architected an AI platform that evaluates resumes against target job descriptions, performing skills-gap analysis and generating personalized 5–7 day interview prep roadmaps.
 - Recorded a 100 PageSpeed performance score with 0.6s LCP through efficient bundling and lazy loading.
- Real-Time Chat Application | React.js, Node.js, Express.js, MongoDB, Socket.IO, Zustand**
- Deployed a real-time messaging app with instant delivery and persistent chat history, using JWT auth, Zustand for state management, and Cloudinary for media uploads.
 - Secured a 99 PageSpeed performance score (desktop) with 0.8s LCP through optimized asset loading.

INTERNSHIP EXPERIENCE

- AI & Machine Learning Intern — Interesting Technologies** *Jun 2026 – Jul 2026*
- Implemented machine learning classification algorithms and predictive models, attaining 96% model accuracy on the evaluation dataset.
- Full-Stack Web Development Intern — Interesting Technologies** *May 2025 – Jul 2025*
- Built production-ready full-stack applications with modular architecture, RESTful API endpoints, and database integration following clean code practices.
- Cybersecurity Intern — AISECT LEARN** *Jun 2024 – Jul 2024*
- Gained foundational knowledge of security protocols, secure coding standards, and system vulnerability assessments.

ACHIEVEMENTS

- Maintained an exceptional CGPA of 9.41 in B.Tech Computer Science & Engineering.
- Consistently scored top marks in College Mathematics: Mathematics I (93.5), Mathematics II (96.2), and Mathematics III (92.0).
- Mentored 20+ students in mathematics and core science concepts.