



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2026	B.TECH	IIT Kharagpur	6.11 / 10
2022	HSC	Dr. Babasaheb Ambedkar College, Deekshabhoomi Nagpur	78.33%
2020	SSC	Navjeevan Dnyaanpeeth English Medium School, Pusad	94.20%

## INTERNSHIPS

Software Engineering Intern   FruitBowl Digital Media	[May'25 - Aug'25]
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**Project 1:** Built a unified architecture integrating backend, mobile, CRM, and multi AI-agent services for seamless operations

- Designed the full-stack system design of Django backend, React Native app, and Next.js CRM into an unified, scalable ecosystem
- Deployed containerized infrastructure using Kubernetes, Helm, Celery + Redis, AWS S3, and Terraform for seamless orchestration
- Built secure CI/CD pipelines, enforcing enterprise-grade coding standards, and implemented secrets management for better security

**Project 2:** Developed a multi-channel conversational agent to automate practitioner outreach and better customer engagement

- Engineered an AI-driven automation agent integrating LLMs through vLLM, LiveKit framework, Twilio SIP, RAG and WhatsApp APIs
- Automated practitioner outreach and improved customer query handling through agentic workflows and dynamic intent recognition
- Implemented real-time conversation pipelines and context-aware conversational routing to enhance outbound call quality experience

**Project 3:** Developed a Flexible Monolithic backend and implemented Analytics Advanced for Real-Time Business Intelligence

- Integrated PostHog analytics with Kubernetes, enabling real-time event tracking, funnel analysis, and insights for 20+ modules
- Developed a personalized notification system using Django signals and React Native hooks, improving user engagement by 35%
- Orchestrated an AI-driven content generation pipeline to deliver personalized recommendations, increasing session duration by 28%

## PROJECTS

FedEx Web-App   Inter-IIT Problem Statement	[Nov'24 - Dec'24]
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- Built an interactive Next.js + Three.js frontend, enabling 3D cargo visualization and improving logistics planning efficiency by 30%
- Integrated a FastAPI backend with real-time optimization, reducing processing delays by 45% and enhancing data retrieval speed
- Engineered advanced 3D rendering with React Three Fiber, delivering smooth visualization and priority-based package allocation
- Designed a responsive UI with Tailwind CSS and Framer Motion, increasing user engagement by 25% through seamless animations

Real-Time AI Voice Assistant with Graph Memory   Intern Project	[May'25 - Aug'25]
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- Engineered a real-time AI voice assistant using LiveKit, enabling conversations and seamless in-app guidance with <1s response latency
- Designed modular agent services using FastAPI, integrating Neo4j graph memory for context-aware and personalized user interactions
- Built a user-preference service using Neo4j, analyzing interactions across 5 cognitive dimensions to deliver real-time recommendations
- Developed a personalized meditation generator with voice and adaptive audio composition, improving user engagement significantly

IntelliCV - Next-Gen AI CV Builder   Self-Project	[May'25 - Aug'25]
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- Architected a Flask backend powering Next.js frontend with OCR, live editing and secure file processing using MongoDB for database
- Implemented Zustand + React Query for seamless authentication, state management and real-time backend API synchronization
- Developed an animated UI/UX using Framer Motion, Lottie animations, scroll-type interactions, and glass-morphism components
- Deployed a fully responsive, performance-optimized frontend on Vercel, ensuring SEO readiness and GPU-accelerated transitions

## AWARDS AND ACHIEVEMENTS

- Secured a 1300+ Codeforces rating with a global rank of 433 in Round 1003, outperforming 30,000+ participants (@kalki.kgp)
- Achieved 3rd position against 1000+ participants in MetaCode, a competitive programming event by COMPOSIT 2025 at IIT Kharagpur
- Achieved 2nd position in a VR Game Development Hackathon organized by Promoteo, IIT Jodhpur, competing against 100+ participants

## COMPETITION/CONFERENCE

- Contributed to IIT KGP in achieving Gold Medal at Inter-IIT Tech 13.0 as a development team member, showcasing technical expertise
- Implemented interactive dashboards using Next.js and React Three Fiber, driving the team to secure overall gold across 23 IITs.

## SKILLS AND EXPERTISE

- Programming and Structural Languages :** C | C++ | JavaScript | TypeScript | Python | C# | HTML | CSS | SQL | Flutter | Swift
- Libraries and Frameworks :** React.js | Node.js | Express.js | Next.js | Tailwind CSS | GraphQL | Numpy | Pandas | TensorFlow
- Software and Tools :** Git | GitHub | Docker | Firebase | Vercel | Apache Kafka | AWS | Azure | Cursor | Android Studio | X Code
- Databases:** MongoDB | PostgreSQL | Neo4j | MySQL | SQLite | Redis | Firebase Firestore | Pinecone | Weaviate | Elasticsearch

## POSITIONS OF RESPONSIBILITY

Game Dev and Content Head   Computer Graphics Society, TSG	[Jan'23 - Present]
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- Led the game development team in various hackathons, representing IIT Kharagpur, and developed two fully functional games
- Organized a 3-day Open IIT game development workshop with 100+ participants in collaboration with Technology Students' Gymkhana
- Coordinated guest lectures with industry experts and alumni, providing valuable learning and career opportunities for members
- Managed a team of 20 members, overseeing project timelines, task assignments, and ensuring deliverables were met on schedule

## COURSEWORK INFORMATION

- Mathematics and Programming:** Probability and Statistics | Linear Algebra | Advanced Calculus | Programming and Data Structures
- Core Electronics:** Analog Electronics | Network Theory | Digital Electronic Circuits | Signals and Systems | Electrical Machines
- Online Courses:** Advanced Machine Learning (Coursera) | AWS Basics to Advanced (Udemy) | Google Data Analytics | IDM Data Science