



EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., ME(major) +CS(minor)	Indian Institute of Technology, Dharwad	7.56	2026
Senior Secondary	SK College,Jamui,Bihar Board	78.4	2021
Secondary	Sarvoday School,Kota,CBSE	90.4	2019

EXPERIENCE

- Incremental Sheet Forming (ISF) Toolpath Generator – Full Stack Web App** Jan 2024 – Apr 2024
Tech: React, Next.js, Flask, PostgreSQL, JWT
 - Built web app for CAD upload and automated ISF toolpath generation with interactive 3D previews.
 - Developed secure authentication (JWT + Flask) and simulation data handling with PostgreSQL.
 - Designed responsive, real-time frontend with Zustand and TailwindCSS.
- Software Developer Intern** Aug 2025 – Nov 2025
AES (Acharya Education Services) – California-based Edtech Startup
 - Built edtech platform with dynamic booking, admin dashboard, student dashboard, mentor dashboard and multi-program management.
 - Implemented real-time scheduling with Prisma + PostgreSQL and automated Google Sheets sync.
 - Delivered modern UI with TailwindCSS and Framer Motion for smooth user experience.

PROJECTS

- Automated WhatsApp Chatbot with Async Backend**
Tech: Python, FastAPI, Docker, Redis, PostgreSQL, Qdrant
 - Developed a scalable microservices architecture orchestrating Qdrant (Vector DB), WAHA (WhatsApp API), Redis (Task Queue), and PostgreSQL using Docker Compose.
 - Implemented an event-driven backend with FastAPI where long-running AI tasks are offloaded to background workers via Redis, preventing server timeouts.
 - Built a dynamic Flow Execution Engine to handle complex conversation states and business logic, replacing static hardcoded responses with flexible workflows.
- Desi Arcade - Real-time Multiplayer Gaming Platform**
Tech: Next.js, TypeScript, Redis, Pusher, TailwindCSS, Serverless
 - Architected a serverless multiplayer engine using Redis to manage game lobbies and voting states, ensuring sub-50ms latency for seamless gameplay.
 - Implemented an event-driven architecture with Pusher Pub/Sub to broadcast real-time updates (like scratch card reveals & live voting) to all connected clients instantly.
 - Developed a resilient custom hook system in TypeScript to handle WebSocket connections, auto-reconnection strategies, and optimistic UI updates.
 - Built a responsive Pixel-Art Interface using TailwindCSS and Next.js App Router, optimizing for mobile performance and dynamic client-side interactivity.

TECHNICAL SKILLS

- Languages:** C++, JavaScript, Python
- Frameworks/Tools:** React.js, Next.js, Express.js, Node.js, Flask, Prisma, Git/GitHub
- DevOps/Cloud:** AWS, Nginx, Linux, Docker
- Databases:** PostgreSQL, MongoDB, Supabase
- Web Tech:** HTML, CSS, TailwindCSS, REST APIs, Web Scraping, Automation, Security
- Advanced Tools & Technologies:** Generative AI, Prompt Engineering, n8n, RAG
- Soft Skills:** Teamwork, Problem-Solving, Creativity, Leadership

RELEVANT COURSES

- Advances in Cloud Technologies AA** 4th Semester
- Data structure and algorithm BB** 2nd Semester

ACHIEVEMENTS

- JEE Advance(2022) Rank: 15,700 out of 1,000,000 students who appeared in JEE.
- CodeRush Coding Contest: 2nd place in college.
- Pre-RMO qualified, IMO (Gold Medal at the School level), NSO (Silver Medal at the School level).

EXTRACURRICULAR

- Competitive Coding : Leetcode Rating :1500, Solved 130+ DSA and CP problem on Leetcode and GFG
- Club: Basketball Club
- Parsec BitHunt Team lead

POSITIONS OF RESPONSIBILITY

- Junior Hostel Secretary** IIT Dharwad 2023–2024
- Senior Mess Representative** IIT Dharwad 2024–25
- GDG On Campus Team** IIT Dharwad 2024–25