

Shardendu Mishra - Software Developer

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Education

Indian Institute of Information Technology Dharwad
B.Tech in Computer Science and Engineering – CGPA: 8.2
Delhi Public School Kalyanpur
Grade 12 Completed – Percentage: 96%

Hubli-Dharwad, Karnataka, India
Aug. 2023 – July 2027
Kanpur, Uttar Pradesh, India
April 2008 – July 2022

Experience

Acumant - Internship [LinkedIn](#) Remote
Software Development Intern – Built Neuro Assist (MERN Stack) *Feb. 2025 – May 2025*

- Delivered PoC for a cross-platform stroke assessment app adopted by clinics in high-pressure clinical environments. [Live](#)
- Led PoC, collaborated with client and ex-Microsoft mentor to define goals and iterate rapidly via Prototyping Model.
- Designed UI/UX optimized for professionals, prioritizing speed, clarity, usability, and Blob Storage for secure file handling.
- Integrated AI-powered analysis enabling structured, time-sensitive cases for faster decision-making (reduced assessment time by 40%).
- Final build approved as design benchmark for future development. Internship Certificate: [View](#)

Open Source & Fellowships

Keptoy API Fellowship (Top 1K/19K) Remote
API Developer Fellow *May 2025 – June 2025*

- Selected based on GitHub profile; earned badges for assignments, manual testing, and AI-based testing. [Badges & Certificate](#)
- Developed and submitted the Dragon Ball API with Jest/Supertest tests and GitHub Actions CI; accepted into Keptoy's public API collection as the only independent developer API, praised by mentors. [Live](#) | [GitHub](#) | [PR \(Merged\)](#)
- Contributed to Keptoy Blog with a pagination feature as part of GSoC'25 program (PR #99 - unmerged). [Link](#)
- Built an LLM-powered C++ Unit Test Generator with a YAML-driven pipeline, auto-debugging, and coverage. [Repo](#)

Velocity - President (IIIT Dharwad Dev Club) Hubli-Dharwad, India
IIIT Dharwad's Project *Aug. 2024 – Present*

- Contributed to the IIIT Dharwad CMS using Sanity CMS, GROQ queries, and modular schema design. [GitHub](#)
- Developed key modules for the official hackathon website. [Live](#) | [GitHub](#)

Projects

BloodSphere (Hackathon Winner) + Dhvani (Parent App) | *GoLang, Gemma Models, Vectara API, Cloudinary, Redis* [🔗](#)

- Led Team Parashuram in a 36-hour hackathon to build BloodSphere, a core module of the health-tech platform Dhvani, improving blood bank workflows and management by 30%.
- Created AI pipelines using Go channels, multithreading with goroutines, and queues for optimized request flow.
- Built a diet-analyzing AI agent and a Cloudinary-powered ML utility to generate psychologically positive health insights.
- Integrated a custom LLM chatbot (npm package) with persistent context, Redis caching, and Regex fallback validation.
- Backend included secure Go services, RAG-based AI, JWT auth, and cron-triggered mailing workflows.
- Links: [Dhvani \(Live\)](#) | [BloodSphere](#) | [Docs](#) | [GitHub](#)

Go Tool Gallery | *Go, Fiber, Colly, GitHub API, Bubble Tea, OpenAI API, Multithreading, Queues, Channels* [🔗](#)

- WebScraper News Website Built a high-speed web-scraper with Go Colly to generate structured CSVs for news analysis and training ML models. [Live](#) | [GitHub](#)
- GitHub Repository Transfer Script CLI utility to automate repository transfers between accounts/organizations. Suggested to GitHub as a PoC for a new feature enabling clean and fast repository migration. [GitHub](#) | [Demo](#) | [GitHub Discussion](#)
- Terminal-based language translator using Bubble Tea to build an interactive, user-friendly TUI. [GitHub](#) | [Demo](#)
- Nutrition Calculator API AI-powered nutrition analysis API built with Go. Reduced processing time from 1.5 min to 16 sec using Go channels, goroutines, and queue mechanisms. Includes LLM integration for detailed analysis. [Demo](#)

API Hub | *NextJS, NextJS Docs, GraphQL, Apollo, Gemini API, GitHub Actions* [🔗](#)

- Unified multiple API projects into a cohesive hub, streamlining API learning and implementation by 60%.
- Built a full-featured, auth-based REST API (Dragon Ball API) to help devs simulate real-world APIs—merged into Keptoy's public API list as the only self-made API, praised by maintainers.
- Manually tested Dragon Ball API using Jest and Supertest with approx. 80% coverage; used AI-based testing tools like Keptoy, and integrated with GitHub Actions for automated CI.
- Optimized API interactions and caching using Apollo and Redux Toolkit, improving response times by 35%.
- Links: [Dragon Ball API](#) | [Chatbot](#) | [Project Management](#) | [Documentation](#) | [GitHub](#)

Technical Skills

Languages: TypeScript, Go, C++, JavaScript, Python, C, Java, GROQ, SQL, YAML, HTML, CSS, Motoko
Frameworks / Libraries: Next.js, React, Node.js, Express, Fiber, Astro, Vite, Electron, Chakra UI, ShadCN, Mantine, Material-UI
Tools & Platforms: Git, GitHub Actions, Docker, Kubernetes, Cloudinary, Blob Storage, AWS, Linux
Testing/CI: Jest, Supertest, Keptoy, Postman, YAML pipelines
Databases: MongoDB, PostgreSQL, Redis, Cassandra
AI/LLM: OpenAI, Gemini, Gemma, Ollama, Vectara API, RAG, LLM agents