DRUBAJYOTI DEBNATH

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Portfolio: **https://druba.in** • GitHub: **github.com/unknown009d**

SUMMARY

Product-focused **UX Engineer** combining design, full-stack development, and system thinking.
Built real products used by clinics, businesses, and users. Specialized in turning complex workflows into simple user experiences. Passionate about scalable systems, interaction design, and solving real-world problems.

SKILLS

Languages: C, C++, JavaScript, PHP, Python
Frontend: HTML, CSS, Svelte, React, Flutter, Figma
Backend: Node.js, MySQL, MongoDB, Flask
Other: Linux, APIs, Distributed Systems, UX Research, Prototyping, CI/CD, Docker, Git

EXPERIENCE

Software Developer — Avant Technoinfra *(Jan 2025 – Jun 2025)*
- Designed and developed CMS dashboard with **RBAC**—managed users, roles, content and analytics.
- Migrated existing infrastructure to a more scalable architecture; reduced admin task time by ~40%.
- Managed deployment server, backups, monitoring, and version control.

UX Engineer — Self-managed contract & Internships *(2021 – 2024)*
- Delivered 10+ live projects for businesses: CMS panels, MIS systems, portfolio applications.
- Designed interaction flows from scratch, built responsive UIs, integrated APIs, and handled hosting.

Web Developer — Software World (STPI Startup) *(2019 – 2021)*
- Built and deployed 20+ production websites for businesses and clinics.
- Rewrote old jQuery systems into modern JS, improving page load speed and UX.
- Managed solo-independent projects; promoted to **Senior Programmer** based on performance.
- Built a 2-tier architecture shipment and delivery system for a local logistics business.

PROJECTS

Hemoglobin Detection (Python + Flask + OpenCV, 2025)
CV system estimating hemoglobin from eye images; end-to-end upload→crop→inference; IEEE-published.

DIY IR Remote Control (Arduino + Flutter, 2025)
Converted non-functional AC and speaker remotes into a mobile app using IR signal decoding and relaying.
Used daily in a home environment.

Event Registration System (PHP + MySQL, 2022)
Handled 100+ real event registrations with live status, admin panel, and automated verification.

Student & Library Management Systems (C/C++ + FileDB, 2021)
Built complete CRUD systems using file-based DB (no SQL), search + update logic, error handling.

EDUCATION

B.Tech — Computer Science & Engineering (June 2025)
Faridabad (Focused on full stack development, network systems, and system architecture)

Diploma — Computer Science & Technology (June 2022)
Agartala (Focused on software development, database systems, and operating system)

EXTRA

- Daily Linux user (Arch + DWM): scripting, system configuration, debugging hardware issues.
- Finished **Google UX Design Certificate** with real case studies (not dummy projects).
- Photography + branding background: strong eye for visual hierarchy, layout, color, grids.