

Bashar Khan

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EDUCATION

University of Allahabad

Bachelor of Technology in Computer Science and Engineering (JKIAPT) | CGPA: 7.8

Prayagraj, Uttar Pradesh

Aug. 2023 – Exp. 2027

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Rust, Java, C, SQL

Frontend: React.js, Next.js, React Native, Redux, Zustand, Recoil, Tailwind CSS, ShadCN UI, Framer Motion

Backend: Node.js, Express.js, MongoDB, Prisma, WebSocket, Redis, PostgreSQL

DevOps & Tools: Docker, AWS, Git, GitHub Actions, Firebase, Supabase, Nginx

AI/LLM: Agents, RAG, Vector DBs, Tool Calling

CS Fundamentals: DSA, OS, DBMS, Networks, System Design, OOP

EXPERIENCE

Founder

June 2026 – Present

OpenLabs

Hybrid

- Founded *OpenLabs*; built interactive landing page and CMS portal; shipped *College Network*, serving 2000+ students with in-app chat counseling p2p connection. Close deals with clients and Open Source Program with 10+ contributors.

Software Engineer

July 2025 – May 2026

Novastack Solutions

Hybrid

- Architected the Nova Health Solutions platform: two React Native apps, an admin portal, and a monolithic Express.js and WebSocket server backed by PostgreSQL, Prisma, and Redis; designed all screens in Figma and implemented the app frontends code.
- Developed Odefi, a 95% on-chain decentralized staking protocol on BNB Chain, with an SSR and SEO-optimized Next.js client and admin panel; implemented staking, daily ROI, multi-level referrals, and cross-contract invocations within deployment size limits.
- Rebuilt the *Splosh* frontend, a crypto staking platform; deployed on AWS (1 server, 2 clients) with a CI/CD pipeline and Auto Scaling Groups, and developed a recursive address-blocking bot.

Open Source Contributor

Jan 2026

AOSSIE Org

Remote

- Participated in GSOC 2026: Improved local development infrastructure by *containerizing* React frontend and Golang backend with Docker Compose; built a comprehensive *Go test* suite; fixed *Wayland cursor* operations on Ubuntu.

PROJECTS

OpenFlow | [link](#)

June 2026

Tech Stack: *TypeScript, Bun, Prisma, SQLite, Tauri*

- Local-first n8n-style automation platform where workflows are portable JSON and execute on local or VPS workers; 36+ modules across triggers, core, SQL, Google, AI, and comms with cron, webhook, and form triggers.
- Built AES-256-GCM user-owned credential vault with a blind Express/Vercel ciphertext store, deploy CLI for push/pull/export/import, and React Flow canvas with Prisma run logs across Tauri desktop and browser apps.

Nsh | [link](#)

Dec. 2025

Tech Stack: *Rust, Ratatui, Tokio, Qdrant, AI agent*

- Event-driven Unix terminal runtime/Harness, support all bash commands, and an isolated Unix socket AskPass IPC broker with volatile memory zeroization for sudo/SSH/Git. Auto-suggestions and history storage within terminal.
- Autonomous ReAct agent runtime with two-phase plan and build workflow, multi local running agent tools, recursive @-context traversal of bash commands through LLM, and 128 passing unit/integration tests.

ACHIEVEMENTS

- Top 100 Google Solution Challenge 2024 regional; 2nd place CodeBlock hackathon (50k INR prize); Member at top 300 Builders Community called AthenaFOSS; 20+ global freelance projects
- Participated in Google Summer of Code 2026 in AOSSIE Org; Campus Ambassador E-Cell IIT Bombay (100+ members, 10+ events); GDG Technical Lead (20+ webinars, 500+ students) and took some technical sessions.
- Open-source contributor to Boa JS (JavaScript engine); build multiple developers tools like md-dev, create-churn, uploader extension, xScroller and many more; helping new developers with Go and Rust exercise apps; evaluate newly released LLM models and share findings publicly.