

Aditya Hota

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EXPERIENCE

Project Lead - Web Development

October 2025 – Present

Google Developer Groups (GDG), C.V. Raman Global University

- Contributing to the Web Development domain at GDG and mentoring my fellow developers. Conducted multiple hands-on workshops for a cumulative total of 300+ participants.

SKILLS

Languages: C, C++, JavaScript, TypeScript

Backend: Node.js, Bun, Express, WebSocket, Pub/Sub, Redis

Frontend: HTML, CSS, Tailwind CSS, React, Next.js, Capacitor.js

DevOps: Docker, CI/CD, Helm, Kubernetes, Ingress, Argo CD, GCP (Cloud Run, GKE, Vertex AI, Compute Engine), Terraform

Databases: MongoDB, PostgreSQL, Prisma ORM

Testing & Tools: Git, GitHub, Turborepo, Vitest (unit & integration tests), Cloudflare (DNS & R2)

ACHIEVEMENTS

- Served as Team Lead for patent filing, multiple projects and national and state level hackathon teams.
- Patent filed (pending):** Offline-first AI-driven routing and validation system with blockchain-based immutability for decentralized issue reporting.
- Hackathon / Ideathon Wins:** Srusti Tech Hack Hackathon 2025 and Founders Renaissance 2025 (IIIT BBSR)
- Hackathon Finalist:** Smart India Hackathon (SIH) 2025 and Code Relay 2025 (IIT BBSR)

EDUCATION

C. V. Raman Global University, Bhubaneswar, Odisha, India

July 2023 – July 2027

B.Tech, Computer Science and Engineering

CGPA: 8.01

PROJECTS

BlinkPay: Wallet & Payments Platform | GitHub

- Built a digital wallet with on-ramp off-ramp flows and secure peer-to-peer transfers simulating real world payment rails.
- Designed token-based fund movement with OAuth authentication, webhook verification, retry logic and idempotent transaction handling.
- Implemented backend services for balance management ledger updates and transaction state tracking across APIs.
- Deployed containerized services with CI/CD to GCP Cloud Run using a Turborepo monorepo architecture.
- Tech stack: Next.js, Express, PostgreSQL, Prisma, Docker, Turborepo, GitHub Actions, GCP Cloud Run.

Swaraj Desk: Civic engagement and resolution ecosystem | GitHub

- Built a multi-client civic platform with mobile app, web app, and admin portal supporting offline-first submissions, media, geo-tagging, community feed with trending and personalized views and heatmaps, 20+ language support, and RBAC. Delivered operations tooling with dashboards, workload balancing, geospatial heatmaps, analytics, case logs and cross-department workflows.
- Designed real-time architecture using WebSockets, pub/sub, Redis queues, and async workers for live updates, background sync, SLA timers, auto-assignment, and three-tier escalation.
- Integrated AI-driven triage with image-to-form autofill, auto categorization, and pre-submission spam and validity checks with UAV verification layer and RAG chatbot with text-to-text and voice-to-voice support, in collaboration with ML engineers.
- Architected and deployed containerized microservices with autoscaling, CI/CD and global edge delivery.
- Tech stack: Next.js, Tailwind, Capacitor.js, Bun, Express, WebSockets, PostgreSQL, Prisma, Redis, GitHub Actions, Docker, Kubernetes (GKE), Terraform, ArgoCD, Cloudflare.