

# GANTAVYA BANSAL

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Full-stack engineer and open-source author building AI-assisted tooling, scalable platforms, and research-grade systems. Shipped production code, secured institutional grants, published on npm and PyPI(4.5k+), and led teams, all before finishing my degree. Currently deepening expertise in LLM fine-tuning and distributed system architecture toward technical leadership.

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## TECHNICAL SKILLS

**Languages:** C, Java, JavaScript, TypeScript, Python, SQL

**Frontend:** React.js, Next.js, Redux-Saga, HTML/CSS

**Backend:** Node.js, Express.js, Adonis.js, GraphQL, REST APIs

**Databases:** MongoDB, MySQL, PostgreSQL

**Tools:** AWS, Docker, Linux, Git, CI/CD, Postman

**AI/ML:** LLM integration (Llama, Gemini), RAG pipelines

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## EXPERIENCE

**Software Engineering Intern** — Devslane

Nov 2025–Present

- Built a full-stack e-commerce platform from scratch during 300+ hours of structured training, end-to-end delivery with zero regression
- Owned client module on a live ERP system; developed a payment integration PoC that demonstrated feasibility for production rollout.

**Coding Mentor** — Let's Unbound

Aug 2024–Feb 2026

- Designed and delivered 500+ hours of structured Java and Python curriculum for U.S. AP CS students; built long-term learning paths that measurably improved algorithmic thinking and project outcomes.

**Full-Stack Developer** — GLA University

Sep 2024–Jan 2025

- Secured university grant by authoring a technical proposal; led development of a Web AR/VR + Three.js system digitally preserving 100+ Braj heritage sites, deployed at institutional scale.
  - Deployed an Invenio RDM-based Research Data Management System handling structured academic data ingestion, retrieval, and metadata governance at university scale.
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## PROJECTS

**Virtual Braj Museum** · Next.js · Express.js · MongoDB · GraphQL · [merobraj.org](https://merobraj.org)

- Architected a full-stack cultural heritage platform with gyroscope navigation and immersive 3D tours; designed a GraphQL API layer for flexible multi-role content querying — platform subsequently acquired.
- End-to-end ownership: technical proposal → grant → architecture → production. Applied lazy loading and CDN strategy for immersive media delivery at scale.

**devDocs** · Python · LLM/AI · PyPI · [pypi.org/project/devDocs](https://pypi.org/project/devDocs)

- Built an AI-assisted CLI tool that recursively indexes codebases and auto-generates structured documentation via LLMs; published on PyPI, adopted by internal engineering teams for project onboarding.(4.5k/yr)

**dts-tracer** · Node.js · Express.js · npm · [npmjs.com/package/dts-tracer](https://npmjs.com/package/dts-tracer)

- Designed Express.js middleware with configurable policy-based request tracing (latency thresholds, HTTP status classes); exposes structured in-memory logs with user-defined persistence callbacks — published on npm.
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## RECOGNITION & LEADERSHIP

- Ranked top 1% globally — Odoo Combat Hackathon 2024, one of the world's largest open-source ERP competitions.
  - Selected for research visit to ARIES (national observatory) — software engineering for scientific instrument control systems; technical paper in progress.
  - Organized university hackathons scaled to 10,000+ participants across technical and design tracks.
  - Head, Editorial Team, Alumni Association — led content strategy and built a centralized job fair portal serving 5,000+ applicants.
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## EDUCATION

**GLA University, Mathura** · B.Tech in Computer Science & Engineering · Expected May 2027

DSA · OOP · Operating Systems · REST APIs · WebSockets · SOLID Principles · Computer Networks