

Harsh Bhardwaj

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Summary

Software Engineer focused on building full-stack products, backend systems, and AI-assisted workflows. Experienced with Next.js, TypeScript, Node.js, Python, PostgreSQL, Redis, and GenAI integrations across production web platforms, data pipelines, automation systems, and model evaluation workflows.

Education

Maharaja Agrasen Institute of Technology, GGSIPU

Delhi, India

B.Tech in Computer Science and Engineering; CGPA: 8.95/10

Aug 2023 – Jun 2027

Experience

Software Developer Intern

Jun 2025 – Sep 2025

OneStopESG

Gurgaon, India

- Built the ESG Jobs platform end-to-end using Next.js, React, REST APIs, and backend integrations, supporting 60,000+ monthly active users.
- Implemented schema design, admin-side workflows, authenticated endpoints, and secure API access patterns for production-facing modules.
- Improved system reliability and response performance using Redis caching, NoSQL indexing, rate limiting, and Linux-based deployment optimizations.

Software Engineer

Mar 2026 – Jun 2026

Clip Hawk

New Delhi, India

- Engineered a Node.js and TypeScript orchestration server to manage AI-assisted metadata workflows and distributed task execution.
- Integrated OpenAI and Anthropic APIs into auditing layers to reduce manual review effort while maintaining structured validation checks.
- Designed queue-based ingestion workflows to process 5,000+ entities daily with fault tolerance, retry handling, and worker-based execution.

Projects

NameFrame – Event Certificate Automation

Next.js, Node.js, Prisma, PostgreSQL

- Built a certificate automation platform to generate and distribute bulk event certificates from structured attendee data.
- Designed PostgreSQL-backed batch processing workflows with delivery logs, failure handling, and SMTP provider fallback.
- Reduced manual certificate creation and email distribution effort for events handling hundreds of participants.

PersonalCloud – Private Cloud Storage

Next.js, FastAPI, Python, Cloudflare R2

- Built a private self-hosted cloud storage system with a Next.js interface, FastAPI backend, and controlled filesystem access.
- Implemented chunked file transfer with SHA-256 validation, offline-first staging, and corruption-safe large-file ingestion.
- Designed the system around secure storage boundaries, authenticated access, and future-ready cloud ingestion workflows.

JEDI – Job Evaluation and Delivery Intelligence

Python, ML, Data Pipelines, Automation

- Designed a personal job intelligence pipeline to collect, structure, rank, and annotate fresher-friendly job postings.
- Planned ML-based ranking using manual fit labels across role fit, salary fit, location fit, requirements fit, and company opportunity.

Achievements & Certifications

- Incubated by NASSCOM for the 2026 cohort and advanced the startup idea to product phase.
- Shortlisted for Smart India Hackathon 2026 semifinals.
- Completed Samsung Innovation Campus Big Data Certification, 2026.
- Achieved Gold League in the Generative AI with Google Cloud Cohort, 2024.
- Earned Amazon Cloud Builder badge.

Technical Skills

Languages: TypeScript, JavaScript, Python, C++, SQL

Frontend: Next.js, React, Tailwind CSS, Redux

Backend: Node.js, FastAPI, REST APIs, Prisma, Authentication, Rate Limiting

Databases & Infra: PostgreSQL, MongoDB, Redis, Cloudflare R2, Docker, Linux

AI/ML: OpenAI API, Anthropic API, AI Agents, RLHF/SFT Evaluation, Pandas, NumPy, Scikit-learn

Tools: Git, GitHub, Vercel, Postman, Playwright