

PRIYANSHU GARG

Full Stack Engineer | React.js | Node.js | PostgreSQL | AWS
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EDUCATION

Geetanjali Institute of Technical Studies

B.Tech in Computer Science

CGPA: 8.27

2022 – 2026

EXPERIENCE

India Space Lab (ISL)

Technical Intern – GIS & Spatial Data Engineering

Remote

Feb 2026 – Mar 2026

- Automated 6 Linux geospatial pipelines with Bash scripts, reducing manual processing effort by 40%.
- Rewrote 3 slow PostGIS spatial queries with GiST indexing – query time dropped from 4s to under 800ms.
- Version-controlled pipeline scripts and cron configs in Git; added structured logs for faster debugging.

PROJECTS

SUSTAINA – Utility Management System | [Live Demo](#) | [GitHub](#)

Tech Stack: React.js | Tailwind CSS | Supabase | PostgreSQL | REST APIs

- Built full-stack app with real-time water and electricity usage dashboard per user.
- Supabase Edge Function APIs handle concurrent reads — no dedicated backend server needed.
- Per-user data isolation enforced via PostgreSQL Row Level Security (RLS) at the database layer.

SAMS – Smart Asset Monitoring System | [Smart India Hackathon 2024 Winner](#)

Tech Stack: Node.js | Express.js | MongoDB | MySQL | REST APIs | JWT

- Built REST API backend for real-time GPS tracking of 10,000+ field assets with 30s polling and JWT auth.
- Dual-DB design (MySQL for metadata, MongoDB for time-series location data) reduced query overhead by 60%.
- Replaced manual field check-ins with automated monitoring APIs, cutting operational cost by 80%.

Cloud-Native CI/CD Pipeline | [GitHub](#)

Tech Stack: AWS EC2 | Docker | Kubernetes | Jenkins | Nginx | Prometheus | Grafana

- Built Jenkins + GitHub Webhooks CI/CD pipeline, cutting deployment time from 2 hrs to 10 mins (12× faster).
- Containerized app with Docker; deployed on a 3-node Kubernetes cluster on AWS EC2 with zero-downtime rolling updates.
- Configured Prometheus + Grafana to monitor CPU, memory, and p95 request latency across pods in real time.

TECHNICAL SKILLS

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

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Databases: PostgreSQL, MySQL, MongoDB, Supabase

Cloud & DevOps: AWS (EC2, S3, RDS, DynamoDB), Docker, Linux, Nginx, Jenkins, CI/CD

Programming: JavaScript (ES6+), TypeScript

ACHIEVEMENTS & CERTIFICATIONS

- AWS Cloud Quest: Cloud Practitioner** (Apr 2026) – EC2, VPC, RDS, S3, DynamoDB, IAM | [Verify](#)
- Google Cloud Computing Foundations** (Apr 2026) – Compute Engine, IAM, Networking | [Verify](#)
- Smart India Hackathon 2024 – National Winner** – Selected from 1,200+ teams nationwide
- Hacktoberfest 2025 Super Contributor** – Global Top 10,000 open-source contributors | [Verify](#)
- GDG Udaipur – Core Team Member** – Co-organized Google DevFest 2024 & 2025 (300+ attendees each)