

Gourav Singh

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EDUCATION

- **Noida Institute of Engineering and Technology** Greater Noida, UP
B.Tech in Computer Science and Engineering; CGPA: 8.0 2019 – 2023

EXPERIENCE

- **Senior DevOps Engineer** Norwood, NJ - Remote
RecruitCRM Jan 2023 - Present
 - **MLOps / AIOps:** Architected high-performance LLM inference pipelines using vLLM, TensorRT-LLM, Elasticsearch (Vector DB), OpenAI Embeddings, LangChain, LangGraph, and Bedrock; tuned for NVIDIA H100, H200, and Blackwell B200 accelerators, delivering 40× efficiency gains and 95% cost savings.
 - **Observability:** Revamped microservices monitoring by transitioning from NewRelic to Prometheus and Grafana, enhancing observability while saving \$3k/month in costs.
 - **Graviton Chips:** Orchestrated the shift of inference workloads to AWS Graviton processors, boosting price-performance by 40% for data-heavy applications.
 - **Networking:** Spearheaded the migration of Tier-1 microservices to IPv6, optimizing dual-stack architecture with IPsec, cutting AWS IPv4 costs by \$1.8k/month.
- **Software Engineer Intern** Remote
Nagarro Sep 2022 - Dec 2023
 - **SRE:** Built automation for platform operations using CI/CD pipelines and infrastructure-as-code; strengthened observability (metrics, logs, tracing) and improved incident response, reducing operational overhead and increasing uptime.
 - **Ansible/Packer:** Integrated Ansible Playbook in a Jenkins Job and installing required packages on them as per dev's requirements.
- **Software Developer Intern** Remote
Xtreme Technologies - Indian Navy Mar 2022 - May 2022
 - **Storm Prediction Tool:** Engineered a real-time tropical storm tracking system using D3.js and Node.js, delivering precise visualizations for Atlantic marine operations.
 - **Data Optimization:** Integrated Gzip compression via Pako.js, achieving a 94% reduction in port data size, enhancing transmission efficiency.
- **Backend Engineer Intern** Delhi
Pepcoding Education Pvt. Ltd. Dec 2021 - Feb 2022
 - **Platform Development:** Architected a scalable backend for an ed-tech platform now serving over 500k users worldwide.

ACHIEVEMENTS

- **Amazon ML Hackathon:** Ranked in the top 0.7 % globally in the Amazon ML Hackathon 2023
- **Google Hash Code:** Secured Global Rank 529 (Team, 2022) and 1832 (Individual, 2022), showcasing advanced problem-solving skills.
- **Competitive Programming:** Earned 4-star rating on CodeChef (gouravsingh258), 1826 peak rating; solved 500+ LeetCode challenges.
- **Coding Club Leadership:** Directed a 50+ member team as President, orchestrating 10+ hackathons and fostering a vibrant tech community, 2021-2022.

SKILLS

- **Skills:** RAG, Apache Flink, Cloudflare ZTNA, AWS Bedrock, LangChain, n8n, LangGraph, Prompt Engineering, OpenAI, AWS SES, ELK, AWS Lambda, AWS SNS, AWS Sagemaker, Huggingface, Inference, LLM, Helm, Embedding, Vector, ArgoCD, Claude Code, Cursor, Relational and No-SQL Databases, AI/ML (Gen AI), AWS (ECS, EKS, MSK, Graviton, CloudFront, RDS), Docker, Kubernetes, Terraform, Ansible, Jenkins, Prometheus, Grafana, Kafka, Redis, Elasticsearch, Git, C/C++, Python, JavaScript, Golang, PHP, Java, Node.js, Bash