

Harsh Srivastava

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Education

Vellore Institute of Technology
B.Tech in Computer Science

Bhopal, MP, India
Sept 2023 – present

Experience

Full Stack Developer Intern
BUILDENGINE

Bangalore, India
Mar 2025 – present

- Designed the workflow to test, compare, and rank AI models, improving speed and performance by 30%.
- Built an AI discovery tool to help users search, filter, and choose from 2,300 models based on real-time benchmarks.
- Led the DevOps team to set up automated testing and deployment using Docker and Kubernetes.

SDE Intern
MyTripGoals

Noida, UP
Sept 2024 – Mar 2025

- Developed travel dashboard with Next.js, MongoDB Aggregation, Tailwind, and SWR for smooth UX.
- Engineered real-time chat and notifications using Socket.IO, Redis, and React Query in production apps.
- Automated admin workflows using React Hooks, Zustand, and server-side MongoDB filtering.

Projects

[DeployX](#)

Automates multi-cloud deployment using Docker and Terraform across AWS, Azure, GCP, Vercel, and Heroku

- Built tool to upload GitHub repos, preview 100+ projects via iFrame, and scan vulnerabilities.
- Built CI/CD pipeline generating Dockerfiles, creating images, and deploying to 5+ cloud providers.
- Enabled 1-click deployment, cutting manual deployment time by 90% while boosting security and scalability.

[DayDex](#)

A real-time stock simulator with WebFlux, WebSockets, Kafka, and virtual trading.

- Real-time trading simulator with WebFlux, WebSockets, and 1000+ price updates using virtual currency.
- Integrated Yahoo Finance API for 500+ stocks with custom strategy testing and instant portfolio tracking.
- Used Redis caching and reactive streams to handle 500+ concurrent users with sub-second update latency.

Achievements and Certifications

4× Hackathon Winner: HackByte, Cisco Visionary Codeathon, Hack4Health, MP Police Cyber Security

AWS Club Leader: at VIT, organized workshops on EC2, S3, Lambda, and mentored peers

Solved 850+ DSA problems: and achieved a 200-day streak on LeetCode

AWS Certified Solutions Architect : (09/2024)

Microsoft Certified Azure Fundamentals : (05/2024)

Publications

The MERN Stack Alchemist Book — Author

May 2025

Harsh Srivastava

Leveraging Kubernetes for LLM Deployment

Jan 2025

Harsh Srivastava, Shikhar Srivastava, Palak Singh, Ayushi Jaimani

Skills

Languages: Java, Python, TypeScript, JavaScript

Technologies: Spring Boot, Node.js, React.js, Express.js, Next.js, FastAPI

Database: PostgreSQL, MongoDB, MySQL, Supabase

DevOps: AWS, Azure, Docker, Kubernetes, Terraform, CI/CD Pipelines, Jenkins

Tools & Version Control: Git, GitHub Actions, TensorFlow, Amazon SageMaker, GraphQL

System Design & Scalability: Load Balancing, Caching, CDN, Event-Driven Architecture, Multi-Tenancy