

# Harsh Srivastava

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## Education

Vellore Institute of Technology  
B.Tech in Computer Science - 8.3 GPA

Bhopal, MP  
Sept 2023 – present

## Experience

Full Stack Developer Intern  
BUILD AI ENGINE

Bangalore, India  
Mar 2025 – July 2025

- Architected scalable **AWS infrastructure (EC2, S3, RDS, Lambda)** ensuring **99.9% uptime** and cost efficiency.
- Automated **CI/CD pipelines** with **AWS CodePipeline** and GitHub Actions, reducing deployment time by **70%**.
- Deployed **microservices** using Docker and Kubernetes on **AWS EKS**, enabling seamless scaling for **2,000+ users**.

SDE Intern  
MyTripGoals

Noida, UP  
Sept 2024 – Feb 2025

- Built **travel dashboard** for **5,000+ users** using **Next.js, GraphQL, MongoDB**, improving engagements.
- Optimized **real-time chat system** with **Socket.IO, Redis, WebSockets**, reducing latency by **15% at peak**.
- Automated **admin workflows** using **React Hooks, Zustand, Redux**, boosting efficiency **20%** and cutting errors.

## Projects

DeployX: Multi-Cloud Deployment Platform

- Built **one-click deployment pipeline** converting GitHub repos into **Docker images** for production readiness.
- Automated **multi-cloud deployments (AWS, Azure, GCP)** from a single click, ensuring **scalability and resilience**.
- Streamlined **CI/CD workflows**, reducing release cycles by **80%** and eliminating manual steps.

DayDex: AI-driven trading platform

- Engineered **real-time trading platform** delivering buy/sell signals across **100+ charts** with **millisecond accuracy**.
- Built **scalable data pipeline (WebFlux, Kafka, Redis)** serving **500+ traders** with sub-second latency.
- Integrated **Yahoo Finance API** for **500+ stocks**, enabling backtesting, portfolio tracking, and **actionable insights**.

## Achievements and Certifications

**5× Hackathon Winner:** CodeVerse, HackByte, Cisco Codeathon, Hack4Health, MP Police Cyber Security

**Freelance Projects:** Successfully delivered 6+ projects (Society Distributor, Plotify, Flatpur, etc.)

**AWS Club Leader:** Organized workshops on EC2, S3, Lambda, and mentored peers at VIT.

**DSA:** 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

Harsh Srivastava

May 2025

Leveraging Kubernetes for LLM Deployment (IJFMR)

Harsh Srivastava, Shikhar Srivastava, Palak Singh, Ayushi Jaimani

Jan 2025

## 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