

# DEV JAYSWAL

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## Technical Skills

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**Languages:** Python (Advanced), C# (.NET), JavaScript (ES6+), TypeScript, SQL (PostgreSQL), C++  
**Backend & Enterprise Architecture:** ASP.NET Core, FastAPI, Django, Microservices, RESTful APIs, Node.js  
**Data & Messaging:** MongoDB, EF Core, Apache Kafka, Redis Pub/Sub, PostgreSQL, Celery  
**Cloud & DevOps:** Docker, Kubernetes (K8s), AWS (EC2, S3, EKS), CI/CD, Nginx, Terraform  
**Frontend & Tools:** Angular, React.js, Next.js, System Design, JWT, Git, Postman, Linux SysAdmin

## Experience

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### Eastencher.com

02/2026 – Present

Software Developer Intern (.NET/Full Stack)

Remote

- Architecting large-scale enterprise software modules using .NET Core and Angular, focusing on modular design patterns and system scalability.
- Developed secure backend services for identity management, including OTP verification and automated recovery workflows using ASP.NET Web API and EF Core.
- Optimized data persistence layers using MongoDB, ensuring high-performance retrieval for complex enterprise datasets and business workflows.
- Translating high-level business requirements into technical implementations, ensuring seamless integration between Angular frontends and distributed .NET backends.

### FoodNEST(S)

07/2024 – 03/2025

Software Engineering Intern (Full Stack/DevOps Focus)

Lucknow, U.P.

- Architected an end-to-end Event-Driven PWA using Node.js and Python microservices, leveraging Redis for real-time tracking, boosting efficiency by 25%.
- Engineered a high-throughput Chatbot API gateway for 500+ concurrent users using Asyncio and horizontal scaling on AWS EC2.
- Streamlined enterprise deployment cycles via Docker and GitHub Actions, achieving 99.9% uptime through Nginx load balancing and automated CI/CD.
- Refactored legacy SQL schemas into optimized PostgreSQL structures, reducing system-wide data retrieval latency by 50%.

### Kisaanpe.com

02/2024 – 07/2024

Web Developer & Systems Associate

Gwalior, M.P.

- Developed a secure onboarding platform with JWT authentication and end-to-end encrypted data pipelines for 200+ active enterprise users.
- Managed distributed Linux environments on DigitalOcean, implementing TCP/IP optimization and firewalls to enhance server reliability by 35%.

## Projects

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### MIT-SATS - Distributed Resource Scheduling System | Python, Kafka, Docker

12/2025

- Engineered a distributed scheduling engine using FastAPI and Google OR-Tools to automate conflict-free timetable generation across 100+ business constraints.
- Leveraged Apache Kafka for asynchronous processing of scheduling tasks, increasing request throughput by 3x and ensuring system decoupling.
- Containerized the microservices stack (FastAPI, Redis, Kafka) using Docker Compose for scalable cloud deployment and environment parity.

## Education

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### Madhav Institute of Technology and Science, Gwalior

10/2022 – 07/2026

B.Tech in Artificial Intelligence and Machine Learning (CGPA: 8.1)

Gwalior, M.P.

## Achievements

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**Competitive Programming:** Rated 1650 on LeetCode — Solved 350+ DSA problems.

**Hackathons:** Amazon ML Challenge 2025 (AIR 23) - Built price prediction model using images and text feature.

**Systems Mastery:** Hands-on experience with VPC, IAM roles, and Kubernetes cluster management for high-availability enterprise applications.