Sathwik Kumar Shetty

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SUMMARY

Backend and DevOps enthusiast skilled in building scalable full-stack systems with CI/CD pipelines, containerization, and cloud deployments. Passionate about solving real-world problems through microservices and automation. Currently expanding into Machine Learning to bring intelligence to backend systems.

EDUCATION

Dayananda Sagar College of Engineering, Bengaluru   2023 – 2027
B.E. in Artificial Intelligence and Machine Learning   *CGPA: 9.45*

Jyothi Kendriya Vidyalaya, Bengaluru   2021 – 2023
KSEEB Board   *Percentage: 93.9*

SKILLS

Languages: C, C++, Python, Go, Java, Solidity

Frameworks: Django, DRF, Flask, FastAPI, Gin

Tools: Git, Docker, Kubernetes, Jenkins, Celery, Railway, Hardhat, Metamask

Databases/Cloud: MySQL, SQLite, Redis, PostgreSQL, MongoDB, Azure, PythonAnywhere

Interests: Backend Systems, DevOps, Microservices, ML, System Design

PROJECTS

InterXAi (GitHub) | Django, OpenCV, Redis, Docker   2024
- Developed an AI-powered interview system that evaluates candidates using resume analysis and webcam-based virtual interviews.
- Integrated Groq LLM for question generation and OpenCV for live presence monitoring.

CodeLintPR (GitHub) | Django, Docker, GitHub Actions, Celery, Redis, Groq API   2025
- Developed an AI-powered GitHub Pull Request (PR) analysis platform with two modes: Web Interface and GitHub Actions Integration.
- Web Dashboard: Allows users to submit any public PR for real-time analysis, view progress, and download detailed bug, style, and performance reports.
- GitHub Actions Mode: Automatically analyzes PRs on open/update, posts comments, and sends email notifications. Fully CI/CD compatible.
- Backed by Celery for asynchronous task processing and Redis for task queuing.
- Secure API endpoints with token-based auth. Fully containerized with Docker for one-command deployment.

DSAcounter (GitHub) | Django, MySQL   2024
- Created a full-stack web app to track users' DSA solving progress with a timer, scoring logic, and leaderboard.
- Includes classroom feature for mentors to monitor student progress.

ArogyaKhosh (GitHub) | Django, React, Solidity, Infura, Pinata   2025
- Hybrid electronic health record system integrating web tech with blockchain for secure and verifiable record storage.
- Deployed on Sepolia testnet using Infura; uses Pinata for document storage and React for frontend.
- Also features emergency response via QR and accident detection using ML model.

Experience

CodeZero - Technical Club, DSCE   2024 – Present

Co-founder and Co-lead
- Organized technical events and workshops. Mentored students in DevOps tools, backend design, and ML basics.

Private Tutor   2023 – 2024

Full Stack Instructor
- Taught diploma students full-stack development.

Achievements

Winner – Algo-Rhythm 2024: Built a full-stack AI interview Bot (42 teams).

Winner – HacktoCrack: Blockchain-based EHR with accident detection (100+ teams).

Award of Excellence – Hackabot 2024 sponsored by UiPath. Built FAQ chatbot using Gemini LLM.

Qualified – Smart India Hackathon 2024: Qualified from college level.

Finalist – National-level Hackathons at PES University and SMVIT.

Winner/Runner-up – 10+ inter/intra-college hackathons and technical competitions.