

# Sameer Bagul

Full-Stack & AI Developer | DevOps Engineer

Pune, India

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## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, TypeScript, Python, Java, C, C++

**Frameworks/Libraries:** MERN Stack, Next.js, React.js, Three.js, R3F

**Databases:** MongoDB, SQL, Firebase

**DevOps & Tools:** Git, Docker, Nginx, Portainer, Postman, ngrok

**AI/ML:** Hugging Face, LangChain, LangGraph, REST APIs, Streamlit, Gradio, NLP, RAG

## EDUCATION

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**PES Modern College of Engineering, Pune** Nov 2022 – April 2026 Bachelor of Technology - Information Technology **CGPA: 8.5 / 10**

## EXPERIENCE

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**Bug0 [Hashnode] — Software Engineer (Remote, US-based)**

Nov 2025 – Present

- Contributing to the development of AI-integrated developer tools and scalable backend systems.
- Collaborating with cross-functional teams to enhance the **Bug0** platform's performance and developer experience.
- Building and maintaining CI/CD workflows, containerized services, and deployment pipelines using **Docker** and **GitHub Actions**.
- Optimizing system reliability and improving feature delivery speed by **20%** through efficient DevOps automation.

**LabsCheck — Full Stack Software Developer & DevOps Engineer Intern | Pune, India**

Aug 2025 – Oct 2025

- Designed and implemented scalable full-stack systems to optimize business processes across departments.
- Automated Marketing and Lead operations using an **AI agent**, handling over **100,000 leads** for outreach and follow-ups.
- Developed an end-to-end medical lab platform, providing price-sorted recommendations and seamless user experience.
- Deployed applications using **Nginx, Docker, Portainer, and CI/CD pipelines**, achieving **99% uptime**.

**Walnut Solutions — Web Developer Intern | Dhule, India**

Jan 2025 – June 2025

- Developed and deployed responsive web applications using **Next.js**, improving SEO and user engagement by **30%**.
- Integrated RESTful APIs and interactive UI components to reduce page load times by **30%**.
- Optimized websites for SEO and accessibility, boosting organic traffic and search rankings.
- Delivered high-quality web solutions while collaborating with remote teams; recognized for initiative and efficiency.

## PROJECTS

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**Jalsakhi – AI Powered Precision Agriculture Platform** [GitHub](#) | [Live Preview](#) Tech Stack: FastAPI, Node.js, MongoDB Atlas, React Native (Expo), TypeScript, Docker

- Designed a microservices-based AI platform with **4 FastAPI ML services** and a centralized Node.js API for scalable inference.
- Developed a React Native (Expo + TypeScript) mobile app integrating multiple ML workflows via REST APIs.
- Implemented secure API exposure and remote device testing using **ngrok and Cloudflare Tunnel**.
- Applied DevOps practices including containerization, environment-based configs, and CI-ready architecture.

**HireMe | WCareer – Smart India Hackathon Runner-up** [GitHub](#) Tech Stack: MERN, Electron.js, MongoDB Atlas, Render, Python, Flask, LLMs

- Developed an AI-powered skill development platform supporting over **1,000 users**.
- Fine-tuned ML models to generate personalized learning roadmaps based on assessment performance with the GMAT algorithm-inspired Exam.
- Automated career, certification, and skill recommendations, increasing engagement by **35%**.

**create-e2e-saas – NPM Package**

[GitHub](#) | [NPM](#)

Tech Stack: Node.js, Express.js, MongoDB, React.js, JWT, Nodemailer

- Built a developer-first CLI tool to instantly scaffold production-ready MERN authentication systems.
- Implemented complete **JWT + OTP authentication**, email verification, password reset, and protected routes.
- Pre-configured full client/server architecture with dashboards and reusable SaaS templates.
- Designed to eliminate repetitive setup work, accelerating hackathon and SaaS MVP development.

## ACHIEVEMENTS AND LEADERSHIP

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- Grand Finalist and Runner-up in the **Smart India Hackathon 2024**, receiving Rs. 30,000.
- National Winner in the **Innovate You Hackathon 2025**, awarded Rs. 10,000.
- Served as Technical Lead of the APP Club at PESMCOE, mentoring over 200 students.