

SHRUTIKA EKBOTE

Senior Software Engineer

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SUMMARY

I am an experienced software engineer skilled in designing and deploying **AI-powered, cloud-native applications**. My expertise includes **Python, Flask, Node.js**, and **React.js**, utilizing cloud platforms like **Azure, AWS, and GCP**. I have a strong focus on LLMs and NLP, achieving **15× efficiency gains, 50% cost reduction, and 99.9% uptime** through scalable architecture and automation. I am dedicated to building intelligent, high-performance systems that merge **AI innovation** with enterprise **reliability**.

EXPERIENCE

Senior Software Engineer

Right & Left Brain Technologies

08/2025 - Present Pune

A technology company focusing on AI and cloud-native solutions

- Led the **architecture, development, and deployment** of scalable **AI-powered and cloud-native systems** using **Python, Flask, Node.js, React.js, and PostgreSQL**, delivering <1s API latency, 99.9% uptime, and 40% faster performance through optimization and CI/CD automation across **Azure, AWS, and GCP**
- Constructed **Agentic AI and Generative AI solutions** integrating **LLMs, NLP, and multi-agent orchestration**, including **Kanalytics (AI Media Intelligence)** achieving **15× efficiency and 50% cost reduction**, and **Complifyre (Compliance Automation)** improving **audit accuracy by 35%** and reducing manual work by **70%**
- Designed and delivered** end-to-end intelligent platforms — from LMS & Exit Shop (E-learning + E-commerce) to a **Multi-Agent AI System (GPT-4o, Streamlit)** — implementing secure RBAC, Redis caching, and semantic search (Typesense, Atlas) to enhance **scalability, performance, and user engagement**

Software Engineer

Right & Left Brain Technologies

07/2024 - 08/2025 Pune

A technology company focusing on AI and cloud-native solutions

- Developed and maintained **scalable backend systems** using **Python, Node.js, MySQL, and PostgreSQL**, focusing on **REST API** development, **data integration**, and performance optimization
- Deployed and managed cloud infrastructure on **Azure, AWS, and GCP**, implementing **CI/CD pipelines, virtual machines**, and secure database environments for reliable, high-availability systems
- Collaborated with **cross-functional teams** to integrate **Large Language Models (LLMs)** and build **AI-driven, cloud-native** applications, improving workflow automation and **product intelligence**

SKILLS

Java	GitHub	Python	Flask	Node.js	React	PostgreSQL	Azure	AWS	GCP	NLP
Streamlit	Redis	Caching	REST APIs	MySQL	HLD (High-level Design)			LLD (Low-level Design)		
Virtual Machines		HTML	CSS	JavaScript	MongoDB	Docker	Git			
Data Structures and Algorithms			Microsoft Azure		PHP	CodeIgniter	Zoom	GitHub Actions		SDLC
Azure DevOps										

PROJECTS

Complifyre.ai

Complifyre.ai is an **AI-powered compliance automation platform**
(Python, Flask, PostgreSQL, Azure Cloud, NLP, REST APIs, Vector DB, HTML, CSS, JS)

- Designed and developed Complifyre, an AI-powered compliance automation platform using **Python, Flask, React, and PostgreSQL**, improving **audit speed by 60%** and **operational efficiency by 70%**
- Constructed **NLP + OCR-based document processing pipelines** to extract clauses, activities, and evidence lists from PDF guidelines with **85%+ accuracy, reducing manual review time by 60%**
- Architected a **modular 3-tier system** (Super Admin, Auditor, Admin) with **RBAC security, encryption**, and Azure Cloud deployment, **ensuring 99.9% uptime and 25% lower hosting cost**
- Built and **optimized RESTful APIs and PostgreSQL schemas**, achieving **<1s latency, 40% faster queries**, and real-time data visibility through analytics dashboards

PROJECTS

Transform8 – Online Learning & E-commerce Platform

🔗 <https://transform8.com/>

Transform8 is an **online learning and e-commerce platform**

(PHP, CodeIgniter 3, MySQL, Razorpay API, Zoom API, HTML, CSS, JavaScript)

- Designed and developed a **full-stack e-learning and e-commerce platform from scratch** using **PHP, CodeIgniter 3 (CI3)**, and **MySQL**, supporting **1,000+ active users**
- Built four role-based dashboards (**Admin, Instructor, Collaborator, Student**) with secure access control, dynamic UI, and real-time analytics to streamline operations and **improve instructor productivity by 50%**
- Implemented a **token-based reward and gamification system** enabling users to **earn, redeem, and apply discounts**, driving **60% higher engagement** and **40% increase in repeat purchases**
- Integrated **Razorpay payment gateway**, **Zoom live sessions**, and **Exit Shop e-commerce** module to deliver seamless transactions and live learning experiences, **reducing payment failures by 30%** and **boosting session attendance by 25%**

Agentic AI System for Kanalytics

An Agentic AI system developed for **media monitoring**

(Python, .NET, React, Azure Cloud, LLM APIs, NLP, GitHub Actions, REST APIs)

- Constructed and deployed a next-generation **Agentic AI system** leveraging **Large Language Models (LLMs)** and **autonomous agents** to **automate media monitoring workflows**, achieving **15× processing efficiency** and **50% cost reduction in analysis** operations
- Architected **cloud-native multi-agent infrastructure** on Microsoft Azure for **theme extraction, sentiment analysis**, and **entity recognition**, delivering **>95% accuracy, 99.5% uptime, and 10× faster real-time processing**
- Developed **self-learning, multilingual AI agents** capable of **analyzing 5,000+ articles daily**, reducing latency by **60%** through optimized task distribution and caching
- Led full **SDLC ownership** from **system design, model training, and API integration** to **CI/CD automation** enhancing scalability by **40%** and lowering infrastructure costs by **25%**

EDUCATION

Bachelor of Computer Engineering (CGPA - 9.75)

Anantrao Pawar College of Engineering and Research

📅 08/2020 - 05/2024 📍 Pune