

# KRISHNA THORAT

## Full Stack Developer & AI Engineer

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### PROFESSIONAL SUMMARY

Full Stack Developer with 5+ years of experience building production-grade web applications, SaaS platforms, and AI-powered systems. Skilled in React, Angular, Node.js, Python, and TypeScript with hands-on expertise in cloud platforms (Azure, GCP, AWS) and AI/ML technologies (RAG, Langchain, Agentic AI, Azure OpenAI). Proven ability to architect multi-agent AI systems, design scalable APIs, and deliver end-to-end solutions from database design to deployment.

### TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, PHP, Java, Go

**Frontend:** React, React Native, Angular, Next.js, Lit, Tailwind CSS, Framer Motion

**Backend:** Node.js, Express.js, NestJS, FastAPI, Flask, Fastify, Laravel

**Databases:** PostgreSQL, MySQL, MongoDB, MSSQL, Teradata, Redis, Drizzle ORM

**Cloud & DevOps:** Microsoft Azure, GCP, AWS, Docker, Kubernetes, CI/CD Pipelines

**AI / ML:** Generative AI, Agentic AI, RAG, Langchain, Pydantic AI, Azure OpenAI, Google Gemini, Vertex AI

**Other:** WebSockets, WebRTC, Git, REST APIs, Salesforce Integration, PySpark, LiveKit

### WORK EXPERIENCE

#### Prescient Technologies Pvt. Ltd., Pune

2025 – Present

##### *Sr. System Developer*

Client: Bigtincan — Content Hub Platform

- Developing new features and enhancing existing modules on Bigtincan's Content Hub platform used for sales enablement
- Leading codebase migration from JavaScript to TypeScript, improving type safety and maintainability
- Performing code reviews on development PRs, ensuring code quality and architectural consistency
- Identifying and resolving production bugs, optimizing application performance
- Hackathon — TalentScan AI Platform: Built multi-agent AI career intelligence system with 16+ specialized agents using Pydantic AI and Google Gemini 2.0; real-time WebSocket progress tracking with 15+ API endpoints

Tech: TypeScript, JavaScript, React, Node.js, Python, FastAPI, Pydantic AI

#### Ergobite Tech Solutions Pvt. Ltd., Pune

Dec 2024 – 2025

##### *Software Developer*

Client: Intellify Solutions

- Infovault — Multi-Agent AI Platform: Led development of intelligent knowledge management platform; architected backend multi-agent AI system with video processing, RAG search engine using Azure Blob Storage and vector embeddings, and React chat interface with Microsoft OAuth
- Intellify Migration Wizard: Built data migration platform supporting Teradata and PostgreSQL; engineered data processing logic for SSIS packages and Power BI models with PySpark job execution management
- In-Parking Alert System: Engineered real-time parking monitoring system with automated alerts using Azure Functions; designed notification engine backend with PostgreSQL and customizable configuration UI
- Set up CI/CD pipelines with UAT and Production environments; deployed applications on Microsoft Azure

Tech: Python, React, Langchain, Azure OpenAI, PostgreSQL, PySpark, Azure Functions, CI/CD

#### Internship Studio, Pune

Jul 2024 – Dec 2024

## Senior Web Developer

- Spearheaded development of AI-powered hiring platform with resume PDF parsing engine that auto-extracts candidate data and populates profiles
- Built AI-driven features for intelligent candidate matching, career guidance, and automated profile enrichment
- Architected cloud-native solutions using GCP (Vertex AI, Cloud Vision) and AWS (Lambda, S3, EC2)
- iStudio Mobile App: Built cross-platform Android and iOS application using React Native (Expo) with Razorpay and Cashfree payment gateway integration
- Online Exam Platform: Developed full-stack exam system with separate candidate frontend, admin dashboard, and API backend using React and Node.js
- Developed full-stack applications using React, Node.js, PHP, and Flask with MySQL and PostgreSQL backends
- Integrated WebSocket technology for real-time notifications and chat system  
Tech: React, React Native, Expo, Node.js, PHP, Flask, GCP, AWS, Vertex AI, WebSockets

## Infosys Ltd., Pune

Aug 2022 – Jul 2024

### System Engineer

Product: Infosys Cortex

- Developed dynamic web applications using Angular, Node.js, and PostgreSQL, enhancing user engagement across enterprise clients
- Spearheaded Salesforce integration utilizing the Cortex framework, streamlining data synchronization and client data accessibility
- Integrated WebSockets for real-time communication and WebRTC for peer-to-peer connections
- Implemented WCAG accessibility standards on key web pages, improving compliance across the platform
- Implemented Keycloak for robust authentication; gained hands-on experience with Kubernetes for deployment optimization  
Tech: Angular, Node.js, PostgreSQL, WebSockets, WebRTC, Salesforce, Keycloak, Kubernetes

## Internship Studio, Pune

Sep 2020 – Aug 2022

### Web Developer

- Led company website development and maintenance using PHP, MySQL, and React, improving site reliability and user experience
- Managed complete migration from legacy WordPress site to modern React and PHP stack
- Integrated multiple payment gateways (Razorpay, Instamojo, PhonePe), enhancing e-commerce capabilities
- Developed RESTful APIs and backend services; optimized database queries and application performance  
Tech: PHP, React, MySQL, WordPress, REST APIs

## PROJECTS

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### NexusLMS — AI-Native Learning Platform

Production-grade LMS with Claude-powered AI tutor (RAG), 110+ database tables, 38 API modules, 8 question types, multi-tenant RLS, and custom JWT auth.

Tech: Next.js 15, NestJS, PostgreSQL, Drizzle ORM, Docker

### EMS — Employee Management System

Multi-tenant HR SaaS for Indian companies with payroll (PF, ESI, PT, TDS), shift-based attendance, leave management, and OKR performance reviews.

Tech: Lit 3, Fastify 5, PostgreSQL, Drizzle ORM, Docker

### Pulse — Real-time Collaboration SDK

Framework-agnostic, self-hosted SDK providing drop-in web components for comment threads, live cursors, presence indicators, and reactions.

Tech: Lit 3, Fastify 5, WebSocket, Redis, PostgreSQL

### MailCraft — Email Template Builder

Collaborative email builder with Monaco code editor, Inky/SCSS compilation, multi-device preview, AI assistant (Gemini), and 2FA team collaboration.

Tech: React, Node.js, Monaco Editor, Inky, SCSS

### **Browser SFTP — Web File Manager**

Web-based SFTP file manager enabling remote server file operations through the browser with real-time progress via Socket.IO.

Tech: Node.js, Express, Socket.IO

### **AI Mock Interviewer**

Real-time AI-powered video interview simulator using LiveKit for video streaming and Python FastAPI backend.

Tech: Python, FastAPI, LiveKit, React

## **EDUCATION**

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### **Master of Computer Applications (MCA) — CGPA: 8.75**

Oct 2020 – Aug 2022

Vishwakarma Institute of Technology, Pune

### **B.Sc. Computer Science — 73.68%**

Apr 2017 – Jun 2020

Loknete Ramdas Patil Dhumal A.S.C. College, Rahuri (Savitribai Phule Pune University)

## **CERTIFICATIONS**

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- Generative AI Landscape — Infosys
- IBM Cloud Essentials — IBM
- Angular: Developing Single Page Applications — Infosys
- Advanced Python Concepts — Infosys
- React - The Complete Guide with React Hook Redux — Udemy
- TypeScript Programming for Web Development — Infosys
- The Complete Web Development Course — Udemy
- SQL and Relational Databases 101 — Cognitive Class