

# Krishna Kumar

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Bengaluru, India

## SKILLS

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**Languages:** Python, Java, JavaScript, Typescript, Golang, C++  
**Backend & APIs:** FastAPI, Nodejs, Expressjs, Spring Boot, REST APIs, GraphQL  
**Databases & Caching:** PostgreSQL, MongoDB, MySQL, Redis, AWS DynamoDB  
**Cloud & Messaging:** Amazon Web Services, Azure, AWS Lambda, AWS SQS, AWS Step Functions, Apache Kafka  
**Frontend:** Reactjs, HTML, CSS, Material UI  
**Tools:** Git, Docker, Postman  
**Concepts:** Microservices Architecture, Event-Driven Systems, Authentication (JWT, OAuth2, SAML), RBAC, Distributed Systems

## EXPERIENCE

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**Associate Software Engineer** Oct 2025 – Present

*Accenture India* *Bengaluru, India*  
– Engineered core end-to-end features for enterprise-grade applications utilizing Python and AWS serverless architectures.  
– Architected high-performance REST APIs across AWS Lambda and ECS Fargate, Successfully decreased average response times by 21x.

**Software Engineering Intern** Feb 2025 – Jun 2025

*Accenture India* *Bengaluru, India*  
– Engineered Python-based backend utilities that automated simulation data processing workflows, streamlining performance analysis.  
– Analyzed large-scale simulation outputs using data-driven optimization, directly improving system-level decision workflows and operational efficiency.

**Full Stack Developer Intern** Aug 2024 – Dec 2024

*Envint Global* *Remote*  
– Architected and built a scalable backend server foundation from scratch, designed to decouple services and easily support future operational expansion.  
– Implemented secure JWT-based authentication and Role-Based Access Control (RBAC), fortifying API endpoints and ensuring strict authorization boundaries.

**JAMstack Developer Intern** Jun 2024 – Jul 2024

*WeFrameTech* *Remote*  
– Integrated headless CMS platforms (Directus, MedusaJS) with custom Node.js backend APIs to deliver dynamic, high-performance content delivery systems.

## PROJECTS

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- **NoviConnect** | Live | GitHub – Engineered a real-time chat platform featuring E2EE-aware messaging and active presence tracking via WebSockets. Designed cross-origin cookie authentication, Google OAuth integration, and secure REST APIs for OTP workflows and media attachment processing. **Tech Stack:** TypeScript, React 19, Node.js, Express 5, MongoDB, Redis, Socket.IO, Redux Toolkit, Material UI.
- **Smart Media Uploader** | GitHub – Architected an event-driven media processing platform utilizing direct-to-S3 presigned uploads and stateless ECS Fargate workers. Orchestrated a secure, fault-tolerant pipeline using AWS SQS and Step Functions, strategically isolating FastAPI servers from compute-heavy transcoding tasks. **Tech Stack:** Python FastAPI, AWS DynamoDB, S3, SQS, Step Functions, Lambda, ECS Fargate, Terraform.
- **Article CMS** | GitHub – Built a robust backend content management system utilizing Node.js and Express to drive multi-role RBAC and secure editorial workflows. Integrated MongoDB for flexible data modeling alongside Cloudinary for optimized image storage and delivery. **Tech Stack:** Node.js, Express.js, MongoDB, Cloudinary.

## EDUCATION

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**Institute of Engineering & Technology, Devi Ahilya Vishwavidyalaya** **Indore, MP, India**  
*Bachelor of Engineering, CGPA – 7.49* *2021 – 2025*

## CERTIFICATIONS

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Oracle Cloud Infrastructure 2025 Certified Generative AI Professional  
Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate