

Jitesh Kumar

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EXPERIENCE

USJ Technologies (OPC) Private Limited

May 2026 – Present

Software Development Engineer Intern

Dehradun, India (Hybrid)

- Built and shipped [usjtechnologies.com](#), a full-stack B2B e-commerce platform (**React 19**, **Supabase/PostgreSQL**) with a 100+ SKU catalogue, PostgreSQL full-text search, and a multi-item quote-request workflow with automated email via serverless **Deno** edge functions.
- Designed a **16-table PostgreSQL schema** secured with database-level **Row-Level Security** and 3-tier **Role-Based Access Control** (admin/manager/staff); identified and patched a privilege-escalation vulnerability with a **BEFORE UPDATE** trigger, enforcing authorization at the database layer.
- Architected the [chalokumbh.com](#) low-latency live-streaming pipeline (**MediaMTX**, **HLS/WebRTC**, **ONVIF PTZ**), broadcasting real-time temple ceremonies to **YouTube** and a custom app for the Kumbh Mela 2027.
- Drove end-to-end delivery and stakeholder onboarding for chalokumbh.com — turning requirements gathered directly from temple administrators into technical architecture and onboarding **3+ partner temples** onto the platform.

EDUCATION

Anurag University

CGPA: 8.70/10

Bachelor of Technology in Information Technology

2023 – 2027

Kendriya Vidyalaya Picket, Hyderabad

Percentage: 81%

CBSE 12th Grade

2021 – 2023

TECHNICAL SKILLS

Languages:	C++, JavaScript, TypeScript, Python, Java, SQL, Bash/Shell Scripting
Frontend:	React.js, HTML5, CSS3, Tailwind CSS, REST APIs, WebSocket, WebRTC
Backend:	Node.js, Express.js, FastAPI, PostgreSQL, Supabase, Redis, BullMQ
Cloud & DevOps:	Microsoft Azure, AWS, Docker, Git, GitHub, Linux/Unix, Postman, CI/CD
AI/ML:	Azure OpenAI, Salesforce Agentforce, RAG, FAISS, LLM Integration
Core Concepts:	Data Structures & Algorithms, System Design, Distributed Systems, OOP, DBMS, Agile

PROJECTS

VoiceFlow – Low-Latency AI Voice Agent | [GitHub](#)

- Engineered a full-stack, real-time AI voice agent using **React.js** and **FastAPI**, integrating **Salesforce Agentforce** for live CRM automation triggered during voice sessions.
- Reduced end-to-end backend latency by **70%** (to under 2 seconds) via **Python** multithreading and asynchronous **WebSocket** streams for concurrent audio pipelines; awarded **1st Rank (All India)** at the Murf AI Coding Challenge 5.

ReachInbox – Distributed Email Scheduling System | [GitHub](#) | [Live](#)

- Architected a production-grade distributed backend (**Node.js**, **TypeScript**, **Express.js**, **PostgreSQL**) processing thousands of queued email jobs via **BullMQ** and **Redis**, with horizontal scaling across **5 concurrent workers**, atomic rate limiting, and zero data loss across restarts.

AmeBot – RAG-Powered Customer Support Chatbot | [GitHub](#) | [Live](#)

- Deployed a Retrieval-Augmented Generation (RAG) support pipeline on **Azure App Service (FastAPI, Azure OpenAI, FAISS)** with a 3-layer hallucination-prevention system for context-grounded production responses.

LEADERSHIP & ROLES

Microsoft Learn Student Ambassador

Jul 2025 – Present

- Delivered **5+ technical workshops** on Microsoft Azure and GitHub Copilot, impacting **1,000+ student developers** across campus programs.

IEEE SSIT Anurag University Chapter — Vice Chair

Jan 2024 – Dec 2025

- Led a **20+ member** team to execute **30+ technical events and hackathons**, drawing **500+ participants per event** over two years.

ACHIEVEMENTS

- **Hackathon Winner:** 5x national hackathon winner, including **Murf AI Coding Challenge 5** — 1st Position, All India, against hundreds of participants.
- **Competitive Programming:** Solved **400+** problems on [LeetCode](#) — ranked **Knight** (Top 5.67%) with a peak contest rating of **1857**.
- **IEEE Research Publication:** First-authored and presented “AI-Powered Voice Agent System” at the **2026 IEEE I3CTCON** international conference; [officially certified](#).

CERTIFICATIONS

- **Cisco CCNA** (Introduction to Networks; Switching, Routing & Wireless Essentials; Enterprise Networking, Security & Automation) · **Cisco Python Essentials 1 & 2** · [OCI Generative AI Professional](#) · [Google AI Essentials](#)