

Akarsh Srivastava

+91 9305267844 | akarsh91140@gmail.com | [LinkedIn](#) | [GitHub](#) | [Leetcode](#)

EDUCATION

Thapar Institute of Engineering and Technology

B.E. in Computer Engineering with a CGPA of 8.8/10

Patiala, Punjab

Sep. 2022 – May 2026

EXPERIENCE

Software Engineer - Backend

January 2026 – Present

Salescode.ai

Gurugram, India

- Built **SARS** (Salescode Agentic Review Service) a Jira plugin delivering AI-powered config review from Github PR; taken from concept to production deployment in **under 1 week**.
- Engineered infrastructure for data reporting platform (**Quarkus 3 / Java 21 / AWS EKS**): implemented **Redis Pub/Sub** config sync across pods, built a config-from-GitHub-repo architecture, and fixed **Redshift COPY data loss**.
- Built a **data-integrity monitoring pipeline** (Jenkins, S3, CloudFront), automating daily validation and diff generation; optimized CI infrastructure by reducing Jenkins agents from **5 to 2**, lowering resource usage by **60%**.

Software Engineer - Founding Engineer

March 2023 – Sep 2024

FA Smart Savaari Mobility Pvt. Ltd.

Startup based in Delhi

- Secured a grant from the Ministry of Electronics and IT, leading a team of 5 interns, overseeing end-to-end development.
- Designed a mobile app in Flutter and backend in NodeJs for live tracking, booking 10 buses, and 500+ bus stops in Delhi.

PROJECTS

VendIQ - LLM Powered Customer Support Assistant (Patent Pending)

[Demo](#) | [GitHub](#)

- Context-powered **voice-enabled sentiment engine** to improve customer experience and support sales teams.
- Implemented a pipeline to stream live voice data from the mobile app to the backend for analysis with 800ms latency.

OmniPlay - Offline Dubbing and Voice Cloning | AI Dubbing, Whisper, Spleeter, PyQt5, FFmpeg

[GitHub](#)

- Developed an offline AI dubbing system with **speaker-aware voice cloning and multilingual translation pipeline**.
- Built audio pipeline using Whisper, Spleeter, and FFmpeg for transcription, vocal separation, and synchronization.

Ph.D Students Webkiosk (1200 users) | Laravel, PHP, SQL, Flutter, Dart

[Live](#) | [GitHub](#)

- Architected a solution with web and mobile app to digitize Ph.D. processes with form builders, conditional filters, and multi-role workflows, reducing 50% paperwork
- Self-Hosted on custom on-prem Linux server with hardware integration, reducing the Operational cost by 35%

PRODUCTION SYSTEMS & ARCHITECTURE EXPERIENCE

QisPratapgarh (350K+ reqs) (Govt. of India): Live queue monitoring system for Election Commission voting.

CCS Auth (5000+ users): OAuth2-based Single Sign-On platform centralizing authentication across institutional portals.

Saturnalia (10000+ users): Kubernetes-based fest deployment using Docker & kubectl with custom SMTP for automated mails.

FROSH Ticketing System (3000 users): Event ticketing platform, handled 500 requests in 17s with zero overbooking.

TECHNICAL SKILLS

Languages: Java, JavaScript, Dart, PHP, C/C++, Python

Frameworks: SpringBoot, Quarkus, Node.js, Flutter, React.js, Next.js, Laravel

AI / GenAI: LLM APIs, Whisper, Speech Processing, Vector Embeddings, LangChain (basic), RAG (basic), ML constructs

Databases: MySQL, MongoDB, PostgreSQL, Amazon Redshift, Redis

Developer Tools: Docker, Nginx, GCP, AWS, Postman, Burp Suite

CS Constructs: Data Structures, Operating Systems, Database Management, Object-Oriented Programming, System Design, AI

POSITIONS OF RESPONSIBILITY

General Secretary

September 2022 – May 2025

Creative Computing Society

Patiala, Punjab

- Mentored over 3500 participants from 28 colleges for HackTU 6.0 in collaboration with MLH
- Developed AR-based Treasure Hunt Portal for event Mirage with a footfall of 2500 participants using PHP and AR-JS

ACHIEVEMENTS

Smart India Hackathon 2024: Winner – Unauthorized Construction Monitoring

Rajasthan Police Hackathon: Winner – Vitals Monitoring for Police

Hackfest (SAP) 2024: Winner among 25,000 participants

Recognition from Lko Zoo.: Recognition for Major Payment System Bug in LucknowZoo website

Others: Hacklipse 4.0, BrainWars 2024 (India Top 10), Innohacks 3.0, Makeathon 5.0, American Express Challenge

500+ DSA questions solved on Leetcode and GFG