# Aakashdeep Singh Sedha

+91 7657926084 | sedha007aakash@gmail.com | github.com/Aakashsedha | linkedin.com/in/aakashdeep-singh-sedha-657abb1a7

## EDUCATION

**Chitkara University**, *Bachelor of Engineering in Computer Science* | Punjab, India
CGPA: 9.06

Aug 2021 - June 2025

**Government Model Senior Secondary School, Sector-35**, *Class XII (CBSE)* | Chandigarh, India
Percentage: 81%

2020 - 2021

**St. Joseph's Senior Secondary School, Sector-44-D**, *Class X (CBSE)* | Chandigarh, India
Percentage: 94.5%

2018 - 2019

## EXPERIENCE

**Cleartrip Arabia**

Software Engineer I (SDE-1) |
Bangalore, India

July 2025 – Present

- Led architecture and end-to-end development of a **Visa Booking Platform** using **Spring Boot microservices**, deployed on **GCP**, achieving **3x throughput** and **99.9% uptime**.
- Developed an AI-powered **Travel Assistant Chatbot**, building an **orchestrator service** for routing user intents; used **intent classification**, context preservation, and integrated **Google Gemini AI** for generating dynamic responses.
- Engineered **multi-level caching** and **JWT-based secure token management**, reducing **API latency by 30%** and optimizing **authentication flow**.
- Optimized **NoSQL schema design** and implemented a **bidirectional sync service** with a distributed config system, ensuring **100% data consistency**.

**Cleartrip Arabia**

Software Engineer Intern |
Bangalore, India

July 2024 – June 2025

- Contributed to a scalable **Spring Boot microservices platform**, reducing manual resource allocation by **40%**.
- Built **admin-facing APIs** with **50ms latency**, improving internal dashboard performance by **65%**.
- Designed and delivered **Vaultix**, a **business admin tool** for managing internal operations, featuring **role-based access control**, **MongoDB-based workflows**, and high-performance **dashboard APIs**.

## SKILLS

| | |
|---|---|
| Programming | Java (Spring Boot), Python, SQL, Data Structures and Algorithms (DSA)., Microservices Architecture, REST APIs |
| Database & Storage | MongoDB, MySQL, Microsoft T-SQL, , Distributed Caching, Data Modeling |
| Cloud | Google Cloud Platform (GCP), AWS, Azure |
| Engineering Tools | Git, Maven, Gradle, IntelliJ IDEA, Postman, Swagger |
| Core Competencies | Distributed Systems, High-Throughput Applications, Fault Tolerance, Scalable System Design, API Development , Design patterns |

## PROJECTS

**ProcureX** (**Python, AWS,Claude Ai**)

- Modernized the ATS to handle large-scale resume inputs and store them in a database.
- Deployed on **AWS EC2** and **AWS S3** for scalable computing and secure storage.
- Integrated **Claude ai** for parsing resumes into standardized JSON.

## Achievements

**LeetCode SQL 50 Badge** - Achieved a top badge on LeetCode for SQL proficiency

**College Rank 331 on GeeksForGeeks** - Ranked 331 out of 8,429 on the GeeksForGeeks platform

## CERTIFICATES

**Microsoft Azure - AZ900 Fundamentals** — Microsoft
**AWS Certified Cloud Practitioner** — (Amazon)
**Python for Everyone** — (Coursera)