

# Sudarshan Gopalakrishna

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## Education

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Since October 2023

**Master of Science in Computer Science for Digital Media**

Bauhaus University Weimar, Germany.

Current Grade: 1.7.

August 2015 – June 2019

**Bachelor of Science in Computer Science and Engineering**

Alva's Institute of Engineering and Technology, India.

Grade: 8 CGPA.

## Work Experience

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November 2020 – August 2023

**Software Engineer**

Mphasis, Bangalore, India.

- Developed scalable microservices using Java, Spring Boot, and relational databases.
- Designed and tested REST APIs using JUnit, Mockito, Postman, and SoapUI.
- Implemented CI/CD pipelines using Jenkins.
- Worked in Agile Scrum teams with international stakeholders.

## Projects

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January 2026

**Student Performance Analytics ETL Platform**

Technologies: Java, Spring Boot, PostgreSQL, Docker.

- Developed end-to-end ETL pipeline for validation, transformation, and storage.
- Designed SQL analytical views for performance metrics.
- Exported data to Elasticsearch and visualized using Kibana.
- Containerized Elasticsearch and Kibana using Docker Compose.

January 2026 – Present

### Kafka-Inspired Distributed Banking Ledger

Technologies: Core Java, TCP, Concurrency, File I/O.

- Developed partitioned append-only ledger simulating Kafka event streaming.
- Implemented TCP server supporting multiple concurrent clients.
- Designed deterministic sharding strategy.
- Implemented shard-aware offset-based read protocol.

April 2025 – October 2025

### Logical Argumentation Platform

Technologies: Angular, Spring Boot, MySQL.

- Developed interactive Angular frontend with argument visualization.
- Built REST APIs and integrated MySQL database.
- Implemented structured debate system.
- Developed Mock API layer supporting demo and production.

## Technical Skills

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Programming Languages

Java, Python, JavaScript, TypeScript, C++, C#, PHP

Frameworks

Spring Boot, Angular

Databases

MySQL, PostgreSQL, MongoDB

Tools

Git, GitHub, GitLab, Maven, Gradle, Jenkins

Cloud and DevOps

AWS, Docker, Kubernetes

## Languages

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English

C1

German

A2