# Gantavya Malviya

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## WORK EXPERIENCE

**Amazon Web Services**                                                    Aug 2023 - Present
Software Development Engineer                                                Munich, Germany

- Developing a high-performance, low-latency data streaming service tailored for the automotive industry, capable of processing over 1M+ TPS with high availability and reliability.
- Implemented API security testing using AWS authentication (IAM) to validate access control and ensure secure service communication.
- Acted as primary on-call engineer, handling operational excellence, incident resolution, and improving team runbooks and monitoring.
- Built and maintained scalable backend systems using Kotlin and TypeScript, following best practices in design, testing, and deployment.
- Wrote extensive unit and integration tests using Kotest and JUnit to ensure high code quality and reliability in production.
- Enhanced monitoring by creating CloudWatch custom metrics via log group filters, reducing issue detection time and improving system reliability.
- Designed and set up CI/CD pipelines using AWS internal pipeline tools for automated testing and deployments.
- Collaborated with cross-functional teams, including product managers and principal engineers, to align technical solutions with business goals.
- Leveraged various AWS services including EC2, Lambda, SQS, CloudWatch, Route 53, and API Gateway to build, monitor, and deploy cloud-native applications.

## PROJECTS

**CodeMistic** ⬈                                                          Jul 2021 - Jun 2022
GitHub Repository ⬈

- Designed and deployed the CodeMistic web application using HTML, CSS, Bootstrap 4, MySQL, and Formspree API.
- Enabled 2000+ participants to download and verify contest certificates through a unique certificate ID system.
- Published tutorials in Java, Python, and C++ on the platform, benefiting over 3000 students with accessible learning resources.
- Reached and impacted 10,000+ students by sharing resources and opportunities via LinkedIn, Telegram, and Discord.
- Organized events such as CodeBattle, Brainiac, and a weekly series to help students explore new technologies and engage in competitive programming.

**LNCT Coders Group** ⬈                                                   Jan 2021 - May 2021
GitHub Repository ⬈

- Designed and deployed the official web application for LCG on GitHub using HTML, CSS, Bootstrap 4, and Formspree API.
- Hosted the website on GitHub Pages to enable easy collaboration, allowing team members to regularly update content with upcoming events and announcements from Coders Group.

## SKILLS SUMMARY

**Programming languages:** C++, SQL, Java, HTML, CSS, Typescript, Kotlin
**Web Technologies and Tools:** VS Code, Github, cPanel, Amazon Web Services
**Soft Skills:** Leadership, Public Speaking, Team Management

## ACHIEVEMENTS

- Rated 1980+ on LeetCode Platform (Top 3% on Leetcode with Knight Badge and solved 650+ problems) ⬈
- Awarded Silver Medal for merit rank in Java Certification Exam by IIT Kharagpur NPTEL
- Secured Global Rank 86 in CodeChef's December 2021 Cook-Off (4 star (1800+) Rating on CodeChef) ⬈
- Achieved 5 star badges on HackerRank for C++, Java, and SQL ⬈

## EDUCATION

**Lakshmi Narain College of Technology, Bhopal**                           Jul 2019 - May 2023
Bachelor of Technology (B.Tech.)

## CERTIFICATES

Programming in JAVA from IIT Kharagpur on NPTEL (09/2020 - 12/2020)
Programming in C++ from IIT Kharagpur on NPTEL (01/2020 - 03/2020)
Introduction to Programming through C++ from IIT Bombay on NPTEL (01/2020 - 04/2020)

## POSITIONS OF RESPONSIBILITY

**Competitive Programming Lead at Google Developers Student Club LNCT**:    Aug 2021 - May 2022
Conducted online and offline DSA training impacting over 3000+ students.

**Lead at Coding Club of College (LNCT Coders Group)**:                     Jan 2020 - Apr 2022
Organized events and conducted workshops reaching over 7000 developers