

# GAURAV ALOK GUPTA

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## EDUCATION

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### MSc., COMPUTER SCIENCE

University of St Andrews, Fife, Scotland, United Kingdom | September 2025 – August 2026 (Expected)

- Modules include Fundamentals of Software Engineering, Object-Oriented Modeling, Design and Programming, Critical Systems Engineering, Software Product and Project Management, Concurrency and Multi-core Architecture, Data-Intensive Systems, Distributed Systems and Software Architecture and Design.

### B.Tech., COMPUTER SCIENCE AND TECHNOLOGY

Dayananda Sagar University, Bengaluru, Karnataka, India | August 2019 – May 2023

- Modules included Data Structures and Applications, Object Oriented Programming, Design and Analysis of Algorithms, Operating Systems, Web Technologies, Lean-Startup Methodology, Business intelligence, Product Engineering.

## PROFESSIONAL EXPERIENCE

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TALLY SOLUTIONS PVT. LTD. - BENGALURU, INDIA | May 2023 - June 2025

Software Development Engineer - II | C++, Python, Kubernetes, Docker, AWS, OCI

- Identified and resolved critical bugs in Tally Prime, enhancing product reliability and user satisfaction. Spearheaded the development of key features, including *file load source identification* and a *placeholder collection attribute*, optimizing third-party TDL file loading for a seamless **user experience**.
- Conducted in-depth analysis and implemented solutions for critical defects and enhancements in **XML and Math parsers**, as well as the Tally-to-Tally migration tool. Addressed major issues, such as dropped stock items and link masters, ensuring uninterrupted core functionality and smooth company migration.
- Introduced functionality in Tally Prime on **AWS** to safeguard **user data integrity** during **AWS Infrastructure failure**. Introduced **automated failure detection** and **CloudOps notifications**, minimizing downtime and ensuring customers could securely access their data post-incident.
- Developed **custom lambda functions** to reduce dependency on AWS-native solutions, enabling smooth and efficient migration process between cloud platforms without loss of functionality, improving flexibility and scalability of cloud operations.

## SKILLS

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LANGUAGES AND FRAMEWORKS | C++, Python, JavaScript, Dart, HTML, CSS, Sass, ReactJS, Flutter

DATABASE TECHNOLOGIES | SQL, MongoDB, S3

CLOUD AND CONTAINER TECHNOLOGIES | Amazon Web Services (AWS), Oracle Cloud Infrastructure (OCI), Docker, Kubernetes

TOOLS AND PLATFORMS | Jira, Confluence, Figma, Git, GitHub

## EXTRACURRICULARS AND VOLUNTEERING

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- Process, Methodology, and Tools (PMT) trainer for freshers (2024) Tally Solutions Pvt. Ltd.
- Mentored 10 teams of college students in Tally Code Brewers Hackathon Tally Solutions Pvt. Ltd.
- Shortlisted for JPMC Code for Good Hackathon (2022) JP Morgan Chase & Co.
- Dayananda Sagar Talent Search (DTS) C Trainer DSU (University)
- Conducted pre-placement talks and problem solving sessions DSU (University)

## LANGUAGE PROFICIENCY

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- English (Fluent)
- Hindi (Native Language)