GAURAV ALOK GUPTA

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EDUCATION

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

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

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

- Identified and resolved critical bugs in Tally Prime, boosting product reliability and user satisfaction. Spearheaded development of core features like file load source identification and placeholder collection attributes in Tally Prime Developer, optimising third-party **TDL file integration**.
- Enhanced **XML and Math parsers** and the Tally-to-Tally migration tool by addressing key defects such as dropped stock items and link masters, ensuring smooth data migration and stable core functionality.
- Engineered an **automated fail-over and self-healing system** in **Tally Prime on AWS**, **restoring operations for 30+ client systems during outages**. Recognised with the **SPOT Award as Customer Delight Champion**.
- Developed **20+ custom lambda functions** across **10+ components** to reduce dependency on AWS-native solutions, enabling smooth and efficient **migration process between cloud platforms** without loss of functionality, enhancing flexibility and scalability of cloud operations.

SKILLS

LANGUAGES AND FRAMEWORKS | C++, Python, JavaScript, HTML, CSS, Sass, ReactJS, FastAPI
DATABASE TECHNOLOGIES | SQL, MongoDB, S3
CLOUD TECHNOLOGIES | Amazon Web Services (AWS), Oracle Cloud Infrastructure (OCI)
TOOLS AND PLATFORMS | Jira, Confluence, Figma, Postman, Git, GitHub

EXTRACURRICULARS AND VOLUNTEERING

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 for 70+ students.	DSU (University)
Conducted pre-placement talks and problem solving sessions for 30+ students.	DSU (University)

LANGUAGE PROFICIENCY

- English (Fluent)
- Hindi (Native Language)