

Chitranjan Gupta

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SUMMARY

Passionate Data Science master student with expertise in Python, SQL, and Statistics, specializing in Finance and Econometrics. Seeking a working student or internship role to apply statistical analysis and modelling skills to drive business success.

EDUCATION

Universität Trier, Germany

M.Sc. - Data Science, Specialization in Econometrics

Oct. 2022 – Present

Expected Graduation - Aug. 2025

Lovely Professional University, India

Master of Computer Applications (Grade: 1.6/4.0)

Aug. 2017 – Jul. 2020

Ranchi University, India

B.Sc. - Information Technology (Grade: 1.72/4.0)

Jun. 2013 – Apr. 2016

TECHNICAL SKILLS

Programming: Python (NumPy, Pandas, ScikitLearn, Stats Models), R, Java, C++, HTML, CSS

Statistics: Time Series Forecasting, ARIMA

Machine Learning: Regression, Classification, Clustering

Database: SQL (MySQL Workbench, PostgreSQL, Google BigQuery)

Data Visualization: Tableau, Power BI

Tools: MS Excel, Git, Azure Data Platform, Jira, Confluence

EXPERIENCE

Generali Employee Benefits, Luxembourg

Nov. 2023 – May 2024

Internship - Strategy and Governance

- Automated regular security tasks, reducing manual processes, and human errors by **10%**.
- Led Security Strategic Project in collaboration with IT operations and network security, achieving a remarkable completion rate from **45%** to **75%** within 4 months.
- Enhanced security protocols to proactively monitor system vulnerabilities and fortify information protection.

Simplilearn, Bengaluru, India

Sep. 2020 – Aug. 2022

Learner Success Manager – Data Science & ML

- Guided learners in programming and technical issues during course timeline, improving overall resolution time by **15%**.
- Spearheaded root-case analysis to help customer support on custom problems, boosting average customer satisfaction ratings from **4.23** to **4.5**.
- Supported course designers with expert reviews on technical content, assuring high quality course structure.

Sears Holdings India, Pune, India

Jun. 2019 – Jun. 2020

Internship - System Administration

- Administered and optimized Linux/Unix systems, ensuring **99.9%** uptime and effective patch management for over 100 physical servers.
- Monitored and troubleshooted system health, reducing incident response time by **30%** during the migration of 50+ servers to AWS cloud infrastructure.
- Executed patch deployments on AWS servers utilizing EC2 instances and AWS Systems Manager, while maintaining strict IAM security protocols.

PERSONAL PROJECTS

Predicting On-Time Premium Deposits ([Github](#))

- Developed a regression model using **CatBoostRegressor** to forecast on-time premium deposits by policyholders. Analyzed historical payment data, incorporating customer demographics and sourcing channels. Achieved an accuracy of **0.8512** on hidden validation data, improving risk management and customer engagement.

Advertisement Success Prediction ([Github](#))

- Developed a binary **classification** model to predict if advertisement revenue would cover production and airing costs, utilizing data pre-processing, feature engineering, and model training. This model enabled advertising company to identify high-revenue ads, minimize losses, and optimize advertising strategies for enhanced decision-making.

INTERESTS & ACTIVITIES

- 2nd position in The Data Science Challenge Hackathon – Dec. 2020.
- Writing technical articles on [Medium](#) about Data Science and Analysis techniques.
- Competitive programming and problem solving on coding platforms like [HackerRank](#).