

# KRITHIK DUTTA

## Analytics and Automations Consultant

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### PROFESSIONAL SUMMARY

Data-driven professional with a strong foundation in software engineering and advanced business analytics. Experienced in developing machine learning models, optimizing complex processes, and implementing simulation modeling to solve business problems. Eager to apply expertise in Python, machine learning, and statistical analysis to drive strategic decision-making and deliver actionable insights in a challenging data science or analytics role.

### SKILLS

**Languages & Tools:** Python, R, SQL, Git, Docker

**Quantitative Research:** Machine Learning, Simulation Modelling, NLP, Mathematical Optimization, Regression Analysis, Bayesian Statistics, Geospatial Analysis, Causal Inference

**Software Frameworks:** Splunk, Agentic RAG, XSOAR, PowerApps, AnyLogic, QGIS, Tableau

### EXPERIENCE

#### Consultant

Jan 2025 – Present

World Wide Technology

Raipur, CG

- Lead technical development of several cybersecurity automation workflows
- Saved security analysts 2+ hours per day cutting down ticket volume through automation
- Developed a model that evaluated user requests through NLP techniques

#### Senior Software Engineer

Mar 2022 – Dec 2024

World Wide Technology

Raipur, CG

- Created and managed data pipelines to enforce cloud cost governance
- Utilized FinOps framework to generate cloud cost-saving recommendations (3% potential reduction)

#### Software Engineer II

Oct 2021 – Feb 2022

Dell Technologies

Bengaluru, KA

- Designed and developed site reliability framework to improve infrastructure governance
- Delivered monitoring system automating alerts for 10,000+ OMEs

#### Software Engineer I

Apr 2020 – Sep 2021

Dell Technologies

Bengaluru, KA

- Created database task automation that saved analysts 1.5 hours per day
- Worked with Stackstorm automation orchestrator to streamline workflows

#### Database Administration Analyst

Jul 2018 – Mar 2020

Dell Technologies

Bengaluru, KA

- Collaborated with software teams to design and ideate database models
- Performed data migrations and optimized query performance

#### Machine Learning Intern

Jan 2017 – Jul 2017

Decimal Point Analytics

Mumbai, MH

- Worked as an NLP intern to classify financial reports using Julia

### EDUCATION

#### Indian Institute of Management

Post Graduate Diploma in Advanced Business Analytics

Ahmedabad, Gujarat

Jan 2026 (Expected)

#### Symbiosis Institute of Technology

Bachelor of Technology in Computer Science

Pune, Maharashtra

Jun 2018

### RECENT PROJECTS AND ACTIVITIES

Digital Public Infrastructure(DPI) case competition, Finalist	2025
BharatAI Quest, Finalist	2025
Nvidia Workshop on NeMo Agent Toolkit and Global Fintech Fest, Attendee	2025
Geospatial Analytics; Site Selection and Optimized operations for Battery Swapping Stations	2025
Topic Modelling, Automated insight generation from game reviews using a BERTopic	2025
Distributionally Robust Optimization(DRO) Workshop, Attendee	2025
Optimization4All Community, Member of open-source optimization community	2025
HCT Survival Analysis, Predicted survival rate of allogeneic HCT patients	2024
Network Analysis, Analyzed global shipping networks to identify trade associations	2024