

# Gaurav Kumar

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## PROFESSIONAL SUMMARY

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Senior Systems Engineer with 2.5+ years at Infosys Ltd., specializing in network design, optimization, and security. Skilled in Python, machine learning, and data analysis, focused on enhancing system performance and solving business challenges. Recently completed an Executive Programme in Data Science from IIT Delhi.

## TECHNICAL SKILLS

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Python (NumPy, Pandas, Scikit-learn)	Power BI	Wireless Networks	Network Management
Excel	Java	Git	Routing and Switching
MySQL	Time Series Forecasting	TCP/IP	VLANs

## WORK EXPERIENCE

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### Infosys Ltd.

*Senior Systems Engineer*

Pune, Maharashtra

**Jun 2021 – Dec 2023**

- Designed and implemented efficient, scalable network infrastructures for clients across various industries, improving system reliability by 25%.
- Collaborated with cross-functional teams to develop custom network designs based on client requirements, resulting in a 20% increase in performance and network security for critical systems.
- Conducted thorough assessments of existing network infrastructures, providing recommendations and upgrades that led to a reduction in network downtimes.
- Analyzed network traffic and data flow to identify potential issues, optimizing designs to reduce latency and eliminate bottlenecks, ensuring smooth data flow for high-volume users.

## PROJECTS

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### Home Credit Default Risk Analysis

- Enhanced the accuracy of credit risk assessment for underserved populations with limited or no credit histories by leveraging alternative data, such as telecommunications and transactional information.
- Developed solutions to ensure fair credit decisions, preventing capable borrowers from being unfairly rejected.
- Contributed to fostering financial inclusion by designing loan structures with appropriate terms to support clients in achieving financial stability.
- Improved access to financial services for underserved populations by optimizing credit risk models and promoting responsible lending practices.

### PII Data Detection

- Developed an automated system for detecting Personally Identifiable Information (PII) in student essays using advanced machine learning techniques, improving identification accuracy and efficiency.
- Designed the system to handle diverse forms of PII, including names, addresses, and sensitive details, within large volumes of text.
- Created a scalable solution to enhance data privacy and support secure academic research.

## CERTIFICATIONS

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Executive Programme in Applied Data Science using Machine Learning & Artificial Intelligence

**Jan 2024 – Sept. 2024**

Programme offered by CEP, IIT Delhi

## EDUCATION

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Noid Institute of Engineering & Technology (AKTU)

**2016–2020** *B.Tech.*

*Chemical Engineering*

GPA: 7.51