

# Tanmay Gupta

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Results-oriented Computer Engineer with **extensive experience in Python development**, Machine Learning, and Data Science. Skilled in leading project deliveries. Demonstrated proficiency in **designing and implementing enterprise-level solutions**. Excellent communicator committed to staying abreast of emerging technologies.

## EXPERIENCE

### Management Consulting Analyst

ACCENTURE

Dec 2021 – Present

Gurugram, Haryana

- Led a team to develop and deploy **AWS Lambda functions** using Python AWS SDK (boto3), automating data processes and reducing manual effort significantly, resulting in a **40% decrease in processing time**.
- Implemented advanced data engineering practices and **DevOps methodologies**, including CI/CD pipelines and **AWS CloudFormation stacks**, resulting in a **35% improvement in data workflow efficiency** and a **50% reduction in deployment errors**.
- Analyzed and visualized **contact flow data** to optimize customer interaction processes, resulting in an increase in functionality and a decrease in average resolution time.
- Architected and executed data integration solutions using **Connect and Lambda functions**, enhancing data accessibility and operational efficiency, leading to an increase in **data retrieval speed and a reduction in data latency**.
- Collaborated on the development of an **ADO pipeline**, reducing project delivery time and decreasing deployment failures.
- Designed dynamic **JSON schemas** for **Amazon Connect**, improving data flexibility and system adaptability and reducing data mapping errors.

### Associate Technology

AVIZVA Solutions Pvt. Ltd.

Oct 2020 – Dec 2021

Gurugram, Haryana

- Led a team to develop **NLP-based conversational AI products**, resulting in an improvement in customer interaction quality and a decrease in customer escalations.
- Integrated **NLP-NLU systems** like Amazon Lex, Connect, and Alexa into customer support platforms, improving data processing accuracy and reducing misinterpretation instances.
- Improved data processing efficiency through the implementation of an **automated Java project setup system**, reducing setup time and lowering setup-related errors.
- Collaborated on data-driven projects involving various **AWS Services**, reducing project completion time and increasing code quality.
- Resolved complex technical challenges, resulting in an increase in project success rates and overall client satisfaction, and reducing downtime incidents.

## PROFESSIONAL CERTIFICATION

### Amazon Web Services Training and Certification

AWS Certified Cloud Practitioner (CLF-C01)

AWS

Dec 2022 – Dec 2025

Demonstrates fundamental understanding of IT services in the AWS Cloud, showcasing fluency in cloud technologies and foundational AWS knowledge. Proficient in identifying and implementing essential AWS services for project setup and execution

## EDUCATION

### Jamia Millia Islamia University

Bachelor of Technology, Computer Engineering

New Delhi, India

Aug 2016 – Sept 2020

Graduated with First Division, represented the University in the prestigious **ICPC Asia Region Contest, 2018**

## TECHNICAL SKILLS

**Python, AWS services (Lambda, CloudFormation, Connect), CI/CD pipelines, Amazon Lex, Alexa, data engineering (integration, visualization, JSON schemas), AWS SDK (boto3), Jupyter Notebook, Agile, Pandas**