Tanmay Gupta

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Experienced software developer with 3+ years of professional experience in delivering impactful solutions. Proficient in Python and AWS technologies, specializing in process automation, data optimization, and advanced engineering. Committed to driving efficiency and fostering innovation.

SKILLS

Python | AWS | Data Structures & Algorithms | Functional Programming | Web Scraping Automation | DynamoDB | Django | Flask | SQL | Pandas

EXPERIENCE

Software Engineer — Dec 2021 – Present
ACCENTURE — *Gurugram, Haryana*

- **Spearheaded lambda development & deployment team**, used Python AWS SDK (boto3) cli and CloudFormation, showcasing **leadership and technical proficiency**.
- **Designed and implemented automated data processes**, saving approximately 20 hours of manual work per month and significantly improving workflow efficiency. Proficient in **automation and process optimization**.
- Spearheaded the adoption of **advanced data engineering practices and DevOps methodologies**, resulting in improved data workflow efficiency and reduced deployment errors by around 20 incidents annually.
- Conducted **in-depth analysis and visualization of contact flow data** using Pandas and web scraping techniques to optimize customer interaction processes, contributing to a reduction in average resolution time by about 15 minutes per interaction and enhancing customer satisfaction.
- Architected and executed **data integration solutions** using Connect and Lambda functions, increasing data retrieval speed by 1.5x and reducing latency by 150 milliseconds.
- Played a key role in developing an **ADO pipeline**, contributing to a faster project delivery time and fewer deployment failures.
- Designed and implemented **dynamic JSON schemas for Amazon Connect**, improving data flexibility and system adaptability, and reducing data mapping errors by several incidents each month.

Technology Associate — Oct 2020 – Dec 2021
AVIZVA Solutions Pvt. Ltd. — *Gurugram, Haryana*

- Led a team in developing **NLP-based conversational AI products**, showcasing expertise in functional programming and problem-solving.
- **Integrated NLP-NLU systems like Amazon** Lex, Connect, and Alexa into customer support platforms, improving data processing accuracy and reducing misinterpretation instances by dozens of cases each month.
- Enhanced data processing efficiency by developing and implementing an **automated Java project setup system**, leveraging skills in automation and functional programming, cutting setup time by several hours per project and minimizing setup-related errors.
- **Collaborated on data-driven projects involving various AWS Services**, showcasing proficiency in DynamoDB, CloudFormation, and AWS architecture, improving project completion times by a few days on average and enhancing code quality.
- Tackled and resolved complex technical challenges, demonstrating expertise in data structures & algorithms, resulting in higher project success rates, increased client satisfaction, and reduced downtime incidents, ensuring smoother project operations.

PROFESSIONAL CERTIFICATION

Amazon Web Services Training and Certification — AWS
AWS Certified Cloud Practitioner (CLF-C01) — *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 — New Delhi, India
Bachelor of Technology, Computer Engineering — *Aug 2016 – Sept 2020*
Graduated with First Division, represented the University in the prestigious **ICPC Asia Region Contest, 2018**