AKSHAT SRIVASTAVA

Software Engineer skilled in building cloud solutions and backend systems with Python, Java and Snowflake. Optimized ETL pipelines and Streamlit applications at Fidelity International, boosting efficiency by 20%. Passionate about delivering scalable, data-driven solutions for business impact.

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# Education

**Bachelor of Technology in Computer Science and Engineering September 2021 - June 2025**

*Amity University, Haryana | CGPA : 8.8/10.0*

**Minor Degree in Data Analytics February 2022 - June 2025**

*Amity University, Haryana | CGPA : 9.0/10.0*

# Technical Skills

Programming Languages: Python, SQL, Java

Tools & Technologies: Snowflake, Streamlit, SnapLogic, Power BI, MySQL, Postman, Control-M, DataTester, GitHub Actions, CI/CD

Core Competencies: Cloud Computing (AWS), Data Structures & Algorithms, Object-Oriented Programming, Data Analysis, Linux

# Internship Experience

**Mu Sigma August 2025 – Present**

*Trainee Decision Scientist Bangalore*

• Supporting analytics engagements for **Bristol Myers Squibb (BMS)** and **Microsoft** through segmentation, trend analysis, and actionable insights to support strategic decision-making.

**Fidelity International January 2025 – July 2025**

*SDE - Intern Gurgaon*

• Developed a Streamlit application for sales and asset approval, migrating from SharePoint to Snowflake, reducing database query time by 45%.

• Validated Oracle-to-Snowflake migration for 25M+ rows with DataTester using segregation, ensuring 100% accuracy.

• Developed a report pipeline in SnapLogic with Control-M scheduling, boosting processing speed by 30%.

# Projects

**Rent A Vehicle** *| Java, Maven, Spring Boot, JWT, Next.js, Postman -* [***Link***](https://github.com/Akshat-ak47/Rent-A-Vehicle)

• Designed a vehicle rental platform, increasing booking efficiency by 30%.

• Integrated JWT authentication, reducing unauthorized access risks by 40%.

**Secure Ballot Using Blockchain Technology** *| Python, Django, MYSQL, Ethereum Blockchain, Postman* [-](https://github.com/shaansuraj/quizzy-backend/) [***Link***](https://github.com/Akshat-ak47/Secure-Ballot-Using-Blockchain)

• Led the team in developing a blockchain-based voting system, achieving 98% tamper-free records.

• Improved security by 50% over traditional voting methods using dual password functionality.

**Smart Home Security System** *| Python, OpenCV, Arduino -* [***Link***](https://github.com/Akshat-ak47/Smart-Home-Security-Using-Arduino)

• Developed a Smart Home Security System with 4 key functionalities: motion detection using Arduino, camera activation, image processing, and person recognition using Python and OpenCV2 cutting false positives by 25%.

• Created 2 Models, a Hardware model in TinkerCAD, and a software model in demonstrating software functionalities, ensuring secure door operations with user feedback.

**Machine Downtime Analysis** *| Jupyter, Python, Power BI -* [***Link***](https://github.com/Akshat-ak47/360-DigiTMG-Internship/)

• Evaluated downtime data, reducing machine downtime by 15%.

• Optimized maintenance costs through actionable EDA insights.

# Research and Publications

*Smart Contract-Based Voting: Enhancing Integrity with Ethereum and Advanced Hashing |* DOI: [*LINK*](https://ieeexplore.ieee.org/document/11102663)

*Published at IEEE Xplore, International Conference on Networks and Cryptology (NetCrypt 2025), New Delhi, India.*  
Authored a research paper on blockchain voting systems, enhancing security and transparency.

# Certifications • Amazon ML Summer School Trainee, 2024 • Google Cybersecurity Professional Certification, 2023