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_**
• 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 -* **_Link_**
• 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_**
• 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_**
• 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*
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