

# AKSHAT GOVIL

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## SUMMARY

Innovative and customer focused Software Engineer with 3 years of backend experience in scalable systems, distributed architectures, and core platform services. Proven track record delivering reliable, high quality software that improves performance.

## EDUCATION

**University Of California, Irvine**

**Irvine, CA**

*Masters of Computer Science (GPA: 3.98/4.0)*

*September 2022 - December 2023*

**Birla Institute Of Technology & Science, Pilani**

**Hyderabad, India**

*B.E. Computer Science + MSc. Mathematics (GPA: 3.56/4.0)*

*August 2016 - July 2021*

## PROFESSIONAL EXPERIENCE

**Navan**

**Palo Alto, CA**

*Senior Software Engineer*

*February 2024 - November 2025*

- Drove **~\$1M/month** additional revenue by moving from Stripe to Adyen and building issuer-agnostic routing in Java Spring.
- Maintained **99.5%** availability for **5M** daily transactions through improved observability using OpenSearch, New Relic alerts.
- Enabled accurate T+1 settlement for **\$10M/day** by creating an event-sourced financial pipeline using SQS and Snowflake.
- Reduced P95 fraud decision latency from **1.5s to 1.0s** through an async ML-driven scoring workflow.
- Shortened card onboarding by **50%** by building a modular network integration platform using reusable Java components.
- Integrated **long-term memory** into an **agentic AI-driven** expense chatbot using **PostgreSQL** and **GoogleADK**, enhancing autonomous reasoning and conversational capabilities.

**Cable and Wireless Communication**

**Miami, FL**

*Software Development Intern*

*June 2023 - September 2023*

- Developed a **real-time data processing pipeline** using **Kafka**, **Python Faust** and **MongoDB** to ingest, process, and transform high frequency time-series data from multiple sources for analyzing network strength.
- Boosted reliability **20%** by integrating anomaly detection into a Kafka pipeline, enabling flagging of **99%** of network outliers.

**VMware**

**Bangalore, India**

*Member of Technical Staff*

*July 2021 - August 2022*

- Increased system performance by **~8%** by replicating page tables across NUMA sockets, cutting remote memory access delays.
- Enhanced cluster reliability by enforcing consistent ESXi host configurations using vLCM declarative policies.
- Streamlined vCenter operations by adding standalone host support, deprecating legacy TPM, and cutting upgrade costs **25%**.
- Fulfilling team guru and on-call duty roles to clear the bug backlog and assisting VMC customers with issues during upgrades.

**Amazon**

**Bangalore, India**

*Software Development Intern*

*January 2021 – June 2021*

- Trained a GNN model assuming customer node-features to be a bag-of-orders having message passing and aggregation from order to order, from order to customer and from customer to customer.
- Analyzed the results with the help of **PyTorch**, **DGL**, **Snappy** and **StreamLit** - showed **91%** accuracy in detecting the abuser.

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, C++, SQL, Bash, Avro, YAML, Spring, Hibernate, Kafka, Flask

**Data:** PostgreSQL, MySQL, MongoDB, OpenSearch, Snowflake, ThoughtSpot

**Cloud & AI:** Docker, Jenkins, Git, AWS SQS, AWS Bedrock, MCP, Claude Code, GoogleADK