

AYUSH RAUNIYAR

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EDUCATION

National Institute of Technology Karnataka

Dec 2020 - May 2024

Bachelor of Technology

CGPA : **8.73**

WORK EXPERIENCE

Verint Systems - Software Engineer

June 2024 - Present

• AML Cloud Migration

- Led the migration of a legacy Windows-based category processing engine to cloud-native, event-driven microservices, improving processing reliability, scalability, reducing end-to-end latency by 90% (hours → minutes).
- Designed end-to-end ingestion & consumer microservices that streamed Windows IFA data to Kafka and processed S3 files into PostgreSQL, enabling real-time processing & significantly improving downstream data availability by 3x.
- Implemented Datadog-based end-to-end observability and automated OKD/Harness deployments, reducing issue triage time by 40% and increasing deployment throughput by 2x with minimal manual intervention.
- Technologies: **Java, Spring Boot, Kafka, AWS S3, PostgreSQL**, Datadog, OKD, Microservices Architecture

• AI SkillLift Bot (LLM-based Analytics Platform)

- Built an AI-driven platform that retrieves call transcripts from S3 and uses AWS Bedrock LLMs, reducing manual manager effort to identify skill gaps from hours/days to minutes and storing structured insights in DynamoDB.
- Designed multi-agent workflows to generate performance metrics and personalized training recommendations, cutting coaching turnaround time by 80% and enabling instant course assignment.
- Delivered a centralized React dashboard for real-time agent insights, unifying data into a single view and improving performance outcomes by 2x while lowering training costs.
- Technologies Used: AWS Bedrock, S3, DynamoDB, SageMaker, **GenAI, Python, React**, Node.js, Prompt Eng

• Identity Modernization & PCI 4.0 Compliance

- Migrated enterprise authentication from Azure Identity V1 to Okta Identity V2, reducing API auth failures by ~30–40% and significantly improving authentication reliability and security posture.
- Resolved 200+ security vulnerabilities using Black Duck and Coverity & integrated AppScan checks into CI/CD pipelines, cutting release approval time by ~50%, improving pipeline reliability, and ensuring PCI 4.0 compliance.
- Technologies Used: **Maven, Identity Management**, Okta, Azure Identity, Gravitee API Gateway, AppScan, Jenkins

• Genie Bot Value Dashboard

- Facilitated high-throughput data transfer to the EDH database by building optimized REST APIs and Kafka integrations, enabling timely insights and demonstrating Genie Bot's business value to customers
- Collaborated with the internal EDI team to develop customer-facing value dashboards using optimized queries and integrated data sources, improving dashboard performance and enhancing client decision-making.
- Technologies Used: **Java, Rest APIs, SQL, Kafka, GenAI, AWS**

Credit Suisse - Software Developer Intern

May 2023 - June 2023

- Automated IPV verification with Python and SQL, cutting processing time by 50% and removing manual errors.
- Produced IPV impact and monthly movement at portfolio/cluster level, enabling stakeholder multi-perspective analysis.

Microsoft AI For Earth - Software Developer Summer Intern

May 2022 - July 2022

- Processed multimodal satellite datasets and built scalable preprocessing pipelines, improving CO2 and urbanization trend predictions with ML/DL models.
- Benchmarked DT, RFR, ERT, & MLP models, achieving measurable error reductions in environmental pattern forecasting.

SKILLS

Backend	Java, Python, Spring Boot, Spring MVC, Microservices, Kafka, REST, Distributed Systems
Databases/Storage	PostgreSQL, MySQL, MongoDB, S3, DynamoDB
Cloud	AWS (Bedrock, S3, DynamoDB, IAM, SageMaker), OKD
DevOps/Observability	Docker, Kubernetes, Jenkins, Harness, Datadog, Vault
Security/Compliance	Okta, OAuth2, JWT, Azure Identity, BlackDuck, Coverity, AppScan
Frontend	React (basic), HTML/CSS
Tools	Copilot, Cursor, Git, Github, Postman, IntelliJ, VS Code, Linux, Jira, Jupiter Notebook

CERTIFICATIONS

Foundational Level Degree in Programming and Data Science (IIT Madras), Docker For the Absolute Beginners - Hands-On, Kubernetes For the Absolute Beginners - Hands-On, Generative AI for Beginners

ACHIEVEMENTS

- **Verint R&D Ace Performance Award - Q4 2024, Q2 2025 & Special Recognition from Israel Team**
- Top percentile in Codeforces; solved 300+ DSA problems demonstrating strong algorithmic proficiency