

KHUSHI AGRAWAL

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EDUCATION

Master of Science, Computer Science Arizona State University, Tempe, AZ Relevant Courses: Software Verification, Validation and Testing, Foundations of Algorithms, Statistical Machine Learning	Aug 2024 - May 2026 (CGPA - 4.0/4.0)
Bachelor of Technology, Computer Science and Engineering Vellore Institute of Technology, Vellore, India	Jul 2019 – Jul 2023 (CGPA – 3.56/4.0)

TECHNICAL SKILLS

Cloud & Security: AWS, GCP, Azure, IAM, VPC, S3, RDS, EC2, Lambda, Docker, Kubernetes, Terraform, CloudFormation, Presidio, CSPM, CI/CD
Programming: Python, C/C++, Go, Java, JavaScript, SQL, Bash
Frameworks & Tools: ReactJS, Django, GitHub Actions, Jenkins, Kafka, Heroku, MySQL, MongoDB, REST APIs
Concepts: Cloud Security, DevOps, IaC, Network Security, SDLC, Agile, SCRUM, Software Testing

PROFESSIONAL EXPERIENCE

DrivStar, Tempe, USA: Data Analyst Engineer Intern	May 2025 – Present
• Engineered a cloud-native data classification microservice replacing Google DLP using Python and Microsoft Presidio, ensuring PII protection and regulatory compliance across AWS workloads.	
• Designed and containerized microservices with Docker and Kafka-based pipelines for high-throughput inspection under zero-trust environments.	
• Integrated security scanners and vulnerability tests into CI/CD workflows, automating enforcement of security policies during deployment.	
• Collaborated with product and QA teams to define RFC-compliant, secure data-handling modules , ensuring audit readiness and robust access control.	
Accenture, Hyderabad, India: Advanced App Engineering Analyst	Oct 2023 – Aug 2024
• Developed modular ingestion pipelines processing 5 TB/day of data on AWS EMR with PySpark, applying encryption and access governance for sensitive datasets.	
• Configured IAM roles, security groups, and encryption policies to align with enterprise security frameworks.	
• Built reproducible cloud environments via Infrastructure-as-Code (Terraform) to improve deployment consistency.	
• Achieved AWS Cloud Practitioner certification , demonstrating proficiency in cloud security best practices and cost optimization.	
Ataloud Technologies, Mumbai, India: Full Stack Developer Intern	Sep 2022 – Mar 2023
• Developed production-ready web applications (120+ screens) in ReactJS and integrated 40+ secure REST APIs , enforcing authentication and data protection mechanisms.	
• Enhanced reliability through state management and input sanitization , improving application integrity and user trust.	
Deepija Telecom Pvt. Ltd., Hyderabad, India: Software Developer Intern	May 2022 – Jun 2022
• Refactored reporting UI for data-heavy analytics systems, improving data load security and performance by 25%.	
• Strengthened frontend reliability by optimizing component rendering and validating client-server communication patterns.	

ACADEMIC PROJECTS

Online Judge, Remote	Fall 2025 – Present
• Designed a secure, fault-tolerant online judge system using React, Django, Docker, and Kafka, deployed on AWS with automated CI/CD pipelines .	
• Integrated cloud workload isolation, IAM-based access , and security scanning in deployment workflows to prevent code injection and sandbox breaches.	
• Enabled real-time execution tracking and logging for 100+ concurrent submissions with sub-second response times.	
LLMind, Tempe, AZ	Spring 2025
• Developed a sentiment-driven financial forecasting system using GPT-4, Claude, and FinBERT across 1M+ financial tweets.	
• Built a secure, cloud-hosted model pipeline with encrypted storage and token-based API access, achieving 96.5% accuracy on MSFT predictions.	