

Yash Gadodia

Newcastle, NE12BW • gadodiayash@gmail.com • (+44) 7587269799

PORTFOLIO

LinkedIn: [Yash-gadodia](#)

Leetcode: [Yashgadodia12](#)

Blogging: [YashGadodia](#)

GitHub: [Yashgadodia12](#)

PROFILE

Experienced Cloud & DevOps Engineer specializing in AWS, Azure, and cloud-native solutions with a strong focus on infrastructure automation, CI/CD pipelines, and system reliability engineering. Skilled in incident resolution, cloud security, and monitoring solutions (Prometheus, Grafana) to ensure high availability and operational excellence. Proficient in Python, Java, PowerShell, and SQL for automation and scripting. Adept at implementing DevOps/SRE best practices, managing 24/7 cloud operations, and optimizing service performance in enterprise environments.

EDUCATION

Newcastle University - Newcastle, United Kingdom

MSc Cloud Computing, Sept 2024 – Aug 2025

Core Modules: Distributed Algorithms, Enterprise Middleware, Cloud Computing, Engineering for AI, Internet of Things

Lala Lajpat Rai College of Commerce and Economics - Mumbai, India

CGPA – 9.13/10

BSc Information Technology, Sept 2019 – Aug 2022

Core Modules: Software Engineering, Python Programming, Linux System Administration, Enterprise Java, Advanced Web Programming

Project:

Animal Adoption Website

- Enhanced website functionality and user experience by redesigning a Python-based platform with MySQL integration, streamlining the adoption process and cutting processing time by 30%.
- Developed and optimized the website using HTML, CSS, and UI/UX principles, improving site navigation, performance, and mobile responsiveness, leading to a 25% increase in animal visibility.

WORK EXPERIENCE

Tata Consultancy Services - Mumbai, India System

Engineer, Aug 2022 – Aug 2024

- Oversaw IT infrastructure across operational sites, ensuring seamless end-user support for 500+ employees.
- Spearheaded network projects, including the setup and configuration of IT systems for new sites, similar to supporting infrastructure for new Amazon buildings.
- Diagnosed and resolved IT incidents swiftly, minimizing downtime and enhancing system performance.
- Devised and executed process improvements to optimize IT operations, resulting in a 15% reduction in recurring technical issues.
- Mentored junior technicians, improving team efficiency and reducing IT incident response time by 20%.
- Collaborated with cross-functional teams to support system integration projects and coordinate with third-party vendors.
- Administered Windows and Linux-based networks, ensuring compliance with security and industry standards.
- Conducted regular security checks and updates, maintaining infrastructure stability and protecting against cyber threats.

Network Infrastructure (GSK Project)

- Design and implement scalable network solutions, including the configuration and deployment of routers, switches, and firewalls, ensuring optimal performance.
- Monitor network health, troubleshoot issues, and manage security to protect against threats.
- Maintain detailed documentation of configurations and changes to support seamless operations and future maintenance.

Azure Cloud Security (DLL Project)

- Managed Azure cloud infrastructure, securing VM access and implementing role-based access control (RBAC).
- Implemented security hardening policies, reducing unauthorized access attempts by 40%.

PROJECTS

Accident Severity Classification

- Designed and implemented machine learning pipelines for classifying accident severity using a dataset with over 100K examples and 20 features.
- Conducted exploratory data analysis (EDA), data normalization, and cross-validation to ensure robust model performance.
- Engineered two pipelines leveraging advanced algorithms and hyperparameter tuning to optimize classification accuracy.
- Developed a comprehensive report to present findings, methodology, and pipeline performance.

IoT Data Processing Pipeline for Air Quality Prediction

- Designed and implemented an IoT data processing pipeline using Docker and Python, reducing processing time by 25% for real-time air quality prediction.
- Created a prediction operator to forecast air quality levels, enhancing user engagement with real-time data visualizations, which increased user interaction by 30%.
- Developed Dockerized IoT data pipelines to process PM2.5 data, improving real-time predictions.
- Integrated RabbitMQ for data streaming, enhancing real-time machine learning model performance.

Cloud Monitoring Using Prometheus and Grafana

- Deployed Prometheus and Grafana on a Kubernetes cluster for real-time cloud monitoring.
- Developed, containerized, and deployed a web app load assessment tool as a Docker image on Docker Hub, running it within Kubernetes.
- Created custom dashboards to track server health, latency, and cloud performance metrics.

Quiz Management System

- Engineered a comprehensive library for generating and managing quizzes, utilizing design patterns and interface-based hierarchies for scalability.
- Adopted defensive programming techniques and thorough unit testing with JUnit to enhance code reliability and maintainability.
- Developed functionalities for quiz creation, student assessment, and statistical analysis to facilitate effective learning outcomes.

Flight Booking Application

- Constructed a full-fledged flight booking application using Quarkus, JPA, and RESTful APIs, focusing on user experience and seamless integration of booking services.
- Integrated advanced functionalities, including payment processing and user authentication, ensuring secure and efficient transactions.
- Deployed the application on OpenShift, optimizing for scalability and performance in a real-world environment.

CERTIFICATIONS

AWS Certified Developer – Associate (2023) Azure Developer Associate – AZ-204 (2023) GitHub Foundation (2025)

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, RDS, IAM, Lambda, CloudFormation, VPC, ELB, Route 53), Azure

CI/CD & Automation: Jenkins, GitHub Actions, AWS Code Deploy, Terraform, CloudFormation

Monitoring & Security: Prometheus, Grafana

Infrastructure as Code (IaC): Terraform, AWS CloudFormation

Programming & Scripting: Python, Java, PowerShell, SQL

Web Development: HTML, CSS

Version Control & Issue Tracking: GitHub

AWARDS

On the Spot Award - TCS: Recognized for exceptional performance and contributions to team projects.

Appreciation Certificate - TCS: Acknowledged for dedication and high-quality work on significant cloud migration projects.

LANGUAGES: English, Hindi, Marathi