

# Nisargkumar Mahyavanshi

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## SUMMARY

Results-oriented DevOps Engineer with a strong foundation in cloud infrastructure, automation, and CI/CD pipelines. Proven ability to design, implement, and optimize cloud-based solutions using AWS. Expertise in infrastructure as code, containerization, and scripting languages. Passionate about delivering efficient and reliable systems. Seeking a challenging role to leverage technical skills and contribute to high-performing DevOps teams.

## SKILLS & TOOLS

- **Languages:** C,C++, Java, Kotlin, Javascript, Typescript, Python, Go, Bash, Power-shell
- **Cloud and DevOps Tools:** AWS, Azure, Linux (Redhat), Git, Jenkins, Docker, Docker Compose, Kubernetes, Terraform, Ansible, Sonarqube, Github Actions, CircleCI, Prometheus, Grafana
- **Web Development:** React.js, Node.js, FastAPI, Django, Flask, AWS Amplify, Firebase, Nginx, Apache, REST & GraphQL
- **Databases:** MySQL, Postgres, MongoDB, Microsoft SQL, Redis

## WORK EXPERIENCE

**Full-stack Developer / DevOps (Collaborative Project)**  
Humber College (Toronto, ON)

May 2024 – Present

- Led a cross-functional team of 5 to design, develop, and deploy a scalable AI-powered chatbot, ensuring on-time delivery under budget constraints.
- Built a responsive, user-friendly frontend with **React.js** and **TypeScript**, while architecting a high-performance backend using **Python** and **FastAPI** with a **Serverless Architecture resulting in a 99.9% uptime** and seamless user interactions.
- Automated the **CI/CD pipeline using GitHub Actions** to manage testing, building, and deployment processes, which reduced manual deployment time by 50% and increased product reliability.
- **Containerized applications using Docker**, ensuring consistency and streamlining the development-to-production workflow, improving deployment speed and environment parity.
- Implemented **JWT-based authentication** to enhance application security and protect sensitive user data.

**Full-stack Developer / Cloud Architect (Collaborative Project)**  
Apptist (Toronto, ON)

May 2023 – Dec 2023

- Migrated backend infrastructure from **Node.js** to **AWS Amplify**, leveraging **AWS Cognito** for multi-factor authentication (MFA) and **AWS AppSync** for **GraphQL API** management, improving scalability and data security.
- Redesigned the database schema using **AWS DynamoDB**, reducing query response times by 30% and enhancing overall application performance.
- Developed a responsive UI with **React.js**, leading to a 25% increase in user engagement and a smoother user experience.
- Optimized deployment processes by using **AWS S3** for static content hosting and CloudFront for global content delivery, cutting page load times by 50%.
- **Secured 1st place at the Humber Expo among 20 teams**, recognized for innovative use of AWS services and achieving a fully cloud-native architecture.

## PROJECTS

**Azure Infrastructure Automation with Terraform and Ansible** | [Source Code & Implementation](#)

- Designed and implemented a highly optimized **Azure** infrastructure using **Terraform** and **Ansible**, provisioning multiple Linux and Windows VM instances, load balancing, and database services. Employed **infrastructure-as-code** principles to ensure consistency, scalability, and rapid deployment. Achieved performance and cost optimization through strategic VM sizing, auto-scaling, network topology design (e.g., NSGs, VNET peering), and database performance tuning.

**Book Review Web App** | [Source Code & Implementation](#)

- Architected and deployed a high-availability **Django** application on AWS, leveraging **Docker** and **Docker Compose** for efficient containerization and orchestration. Optimized database performance and reliability through integration with **AWS RDS Postgres**. Implemented robust CI/CD pipelines with **Jenkins** and **SonarQube** to accelerate development, improve code quality, and ensure seamless deployments.

**End-to-End ML Pipeline on AWS SageMaker** | [Source Code & Implementation](#)

- Developed and deployed a comprehensive **Machine Learning** pipeline on **AWS SageMaker**, encompassing data preprocessing, feature engineering, model training, hyperparameter tuning, and deployment to production. Leveraged SageMaker's managed infrastructure for efficient model provisioning and scaling.

## EDUCATION AND CERTIFICATIONS

**[AWS Certified Developer - Associate](#)**  
Amazon Web Services Training and Certification

Oct 2024

**Graduate Certification in Cloud Computing**  
Humber ( North Campus ), Etobicoke, Canada

Jan 2023 – Aug 2023

**Bachelor's Degree in Computer Science and Engineering**  
R.N.G.Patel Institute of Technology, Gujarat, India ( 9.2 / 10.0 CGPA)

July 2018 – June 2022