AKHIL AROLKAR

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# Experience:

* **Capgemini – DevOps / Site Reliability Engineer 08/2022 - Current**

Mumbai, India

* + Conducted in-depth analysis of AWS infrastructure issues and production incidents, identifying root causes and providing solutions to enhance system performance and reliability.
  + Implemented and managed CI/CD pipelines using AWS services (e.g., CodePipeline, CodeBuild, CodeDeploy) to ensure seamless deployment across multiple environments.
  + Ensured high availability and scalability of applications on AWS, leveraging services like EC2, Auto Scaling, and Elastic Load Balancing.
  + Troubleshot complex cloud-based issues related to AWS architecture, networking, and system configurations.
  + Utilized version control systems like Git and SVN, ensuring proper code management and collaboration within DevOps teams.
  + Collaborated with development and operations teams to optimize deployment processes, automating infrastructure provisioning using tools like Terraform or CloudFormation.
  + Provided technical support for resolving issues related to AWS DevOps tools and technologies, ensuring smooth operation of cloud environments.
  + Performed troubleshooting and remediation of issues during application deployments on AWS, ensuring minimal downtime and quick recovery.

# Accomplishments:

* Multiple Client appreciations for effectively handling critical Production deployments.
* Recognition Award "Rockstar" for excellent performance during OCT-DEC 2023.

# Skills:

* + Incident Management
  + Configuration Management
  + Continuous deployment
  + Technical Documentation
* Troubleshooting
* Version control systems
* Scripting Languages
* AWS, Terraform, Git, Docker

# Education:

* + **Bachelor’s of Science in Information Technology CGPA: 9.00**

Kirti M Doongursee College, Mumbai University 2019-2022

## HSC Percentage: 60%

SVKM’s Mithibai College, Mumbai 2019

## SSC Percentage: 82%

IES’s New English School Bandra, Mumbai 2017

# Projects:

## Python’s Django Framework:

* + - For my final year project, I developed a web application using Python's Django Framework, Html/Css for frontend and MySQL for database.
    - This Application allows users to log and track their workout and diet plans.
    - Used an open-source API that gets nutrient information about a food Item.
    - Users can download a pdf report of their workout and diet information.

## AWS & Terraform:

* + - Utilized Terraform scripts to manage infrastructure changes and version control.
    - Designed and implemented Virtual Private Cloud (VPC) with subnets, route tables, and gateways.
    - Automated the deployment of EC2 instances with specified AMIs, instance types, security groups, and key pairs.
    - Set up and configured S3 buckets to host static websites, including bucket policies and access controls.

# Certifications:

* Microsoft: AZ-900
* Python: Zero to Hero Bootcamp