



ROHIT KUMAR DUBEY

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Objective

Computing Science graduate with hands-on experience in Python/Django, AWS, GCP, Terraform, and Ansible. Passionate about cloud computing and DevOps, seeking an opportunity to apply automation, infrastructure as code (IaC), and cloud engineering best practices to real-world projects.

Education

University of Glasgow

Computing Science, M.Sc.

Sep. 2023 – Dec. 2024

Glasgow, United Kingdom

Skills

- **Languages:** Python, Java, SQL
- **Cloud Platforms:** Amazon Web Services, Google Cloud Platform, Microsoft Azure
- **Database:** MySQL, MongoDB
- **Containers & Orchestration:** Docker, Kubernetes
- **Automation:** Ansible, Terraform
- **Source Code Management:** Git, GitHub
- **Operating System:** Windows, Linux

Experience

Sapio Analytics

Cloud Intern

May 2020 – Aug. 2020

Remote

- **Managed IAM users and roles on AWS**, implementing **secure access policies** that **improved team efficiency** and **cloud security**.
- **Provisioned and automated EC2 instances** on Ubuntu 16.08, configuring MySQL, Nginx, and Gunicorn, leading to a **30% improvement in deployment efficiency**.

Projects

DubKart - An Ecommerce WebApp | *Bootstrap, Django, Amazon Web Services (AWS), Terraform*

Jan. 2025

- **Developed** a fully responsive **e-commerce web application** using **Bootstrap** for an intuitive front-end design and **Django** for a scalable and secure back-end, ensuring a **seamless user experience**.
- **Deployed** the application on **AWS**, provisioning **EC2 instances** and securing infrastructure with **Terraform**, including a **NAT gateway** for **enhanced security** and **efficient data flow**.

Launching a website over Docker through Ansible 2.8 | *Ansible 2.8, Docker*

Oct. 2021

- **Configured Docker** and **automated** the setup process using **Ansible 2.8**, reducing manual configuration time by **30%** and successfully pulling the **httpd** server image from **Docker Hub** for deployment across **3 environments**.
- **Deployed** and **exposed** the **httpd** container, automating the transfer of HTML files to `/var/www/html` using **Ansible**, leading to a **40% improvement** in deployment efficiency and ensuring **24/7 public access** to the web server.

Integration of MySQL and Wordpress through Terraform | *Terraform, Amazon Web Services (AWS)*

Nov. 2020

- **Designed** and implemented secure **Virtual Private Clouds (VPCs)**, subnets, **NAT gateways**, and route tables on **AWS**, ensuring robust **database security** and reducing security risks by **25%**.
- Developed **Terraform** code to seamlessly integrate **MySQL** and **WordPress**, automating deployment and improving deployment speed by **40%** and **reliability** by **30%**.

Technical Blogs

- [Designing and launching an infrastructure through Terraform](#)
- [Wordpress and MySQL integration through Terraform](#)
- [How Ansible helps AWS](#)