PRAKHAR GOEL

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Education

JSS Academy of Technical Education   **2020 − 2024**
Bachelor of Technology in Computer Science   *Noida, Uttar Pradesh*

SR DAV Public School   **2018 − 2020**
12th Grade Science   *Dayanand Vihar, Delhi*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- OOPS
- Operating Systems

Experience

SecLogic   **August 2024 − Present**
Associate, Cloud Security Analyst   *Noida, Uttar Pradesh*

- Built a **Python**-based **Docker** image scanning system with a lightweight **Flask server** hosted on **EC2**, designed to receive scan payloads and trigger vulnerability and secret scans on container images in **ECR/Artifact Registry**.
- Used **Terraform** to provision infrastructure with startup scripts that auto-pull the Docker image (containing the Python + Flask code) from internal **Artifact Registry**, execute scans, and upload results to a secured **Cloud Storage Bucket**.
- Implemented **VPC-level network controls** to restrict external access, ensuring only internal organizational traffic could reach the Flask API endpoint.
- Refactored codebase into a **cloud-agnostic** system supporting **AWS** and **GCP** using **Python3**, consolidating repositories and cutting maintenance overhead by **40%**.
- Enhanced security by integrating **ClamAV** for malware scanning, boosting detection rates by **65%** and reducing false positives by **30%**.
- Modified a popular open-source **Kubernetes vulnerability scanning tool** written in **Go** to extract **container image layer metadata** and detect embedded **secrets**, enhancing its security audit capabilities.
- Developed a **cloud-agnostic Python script** leveraging the **Kubernetes API** to fetch **pod logs from the last N hours** (user-defined) across dynamic **namespaces** in both **AWS** and **GCP** environments.
- Automated the upload of fetched logs to the respective **Cloud Storage Buckets** (**S3/GCS**) for centralized log management and monitoring.
- Built a dynamic **GitLab CI/CD pipeline** for dependency automation and binary packaging to **GCP bucket**, reducing deployment time by **30%**.
- Upgraded **GitLab pipeline** for multi-project compatibility with dynamic endpoints (**main**, **develop**), enhancing cross-project reusability.

Projects

Personal Portfolio Website | *React.js, HTML5, CSS3, JavaScript*   **July 2025**

- Developed and deployed a fully responsive portfolio site using **React.js**, showcasing **6+ projects**, experience timeline, and skills with engaging animations.
- Integrated SEO, social links, and a contact form, resulting in **40% faster load time** and improved discoverability on search engines. [Live Demo]

Social Blog Website | *HTML, CSS, Bootstrap, Flask, SQLite*   **July 2024**

- Built a responsive **front-end** using **HTML**, **CSS**, and **Bootstrap**, boosting user engagement by **25%** across devices.
- Engineered a **full-stack** solution with **Flask** and **SQLite**, optimizing **database queries** for **95%** data consistency.

Technical Skills

Languages: Python, C++, C, JavaScript, SQL, HTML, CSS, Terraform, YAML, Golang
Cloud & DevOps: Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, Docker, Kubernetes
Technologies/Frameworks: React.js, Flask, Bootstrap, Streamlit, IAM, Event-Driven Architecture, Microservices
Databases: MySQL, MongoDB, SQLite, PostgreSQL, Pinecone, ChromaDB
Tools: VS Code, Git, Terraform, Linux, Shell Scripting, Langchain, ClamAV, Pub/Sub, SQS, Lambda

Honors and Certificates

- Solved more than **700+** questions on LeetCode and GeeksForGeeks combined.
- Completed iNeuron Certified Foundational Generative AI course.
- Completed Goldman Sachs Certified FinTech Engineering Virtual Experience (Forage).
- Completed Udemy Certified Python and Flask Bootcamp: Create Websites using Flask.