

# Nidhi Airi

## Full Stack Developer

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### 📁 PROFESSIONAL EXPERIENCE

#### Full Stack Developer, Asperify Enterprises

04/2022 – present  
New Delhi, India

- **Designed, developed, and maintained** a full-fledged module using **Python** and **Jinja template language**, automating the generation of complex **PDF reports** based on dynamic metadata inputs. This initiative demonstrated strong technical proficiency and autonomy in delivering a production-ready solution.
- **Developed and deployed multiple React applications** for real-time monitoring of various virtual machine metadata such as **memory space, CPU usage, disk activity**, and system health. Ensured smooth deployment on **Nginx servers**, optimizing load times and enhancing the overall user experience.
- Utilized **React, HTML5, CSS3, and JavaScript (ES6)** to implement **responsive UI components**, delivering **dynamic and interactive features**. Improved user engagement by introducing real-time updates and creating a more intuitive monitoring dashboard.
- **Designed and implemented Kibana dashboards** to aggregate and visualize server requests, offering **real-time insights** into system performance, which led to a **30% improvement in issue detection time** and reduced system downtime.
- **Built scalable and maintainable API endpoints** using **Flask** and **FastAPI**, facilitating communication between front-end applications and databases. Enhanced overall application performance by introducing asynchronous processing, reducing latency by **20%**.
- **Performed comprehensive load testing** using **Locust**, simulating high-traffic scenarios to ensure that the company's website could handle peak periods without performance degradation. Successfully identified bottlenecks and implemented optimizations that resulted in a **15% increase in load capacity**.
- Conducted rigorous **security testing** across multiple web applications using industry-standard tools like **Nikto, Nmap, Wa3f, DirBuster**, and **OWASP ZAP**. **Identified and resolved** critical vulnerabilities, strengthening the security posture of the applications and ensuring compliance with security standards.
- Collaborated closely with **cross-functional teams** (DevOps, Security, and Product) to implement security protocols, automate threat detection, and improve web application resilience. These efforts resulted in a **20% reduction in security incidents**.
- **Developed Python scripts for automated web crawling and data extraction** using tools like **Selenium, BeautifulSoup**, and **Pyppeteer**. Leveraged these scripts for data aggregation, reducing manual work by **50%** and accelerating data collection processes.
- **Configured and implemented a ticketing system in Django** for efficient user query management. Automated **email notifications** for submitted tickets, ensuring queries were routed to the appropriate department. This streamlined **customer support** and improved the overall **user experience**.
- **Developed a full-stack web application** featuring **React** as the frontend and **FastAPI** as the backend, enabling seamless communication with a **MongoDB** database. Implemented secure **user authentication** and integrated these features into a unified **React dashboard**, creating a **user-friendly, responsive, and secure platform** for data management and interaction.

#### Devops Intern, Wingman Partners

10/2021 – 02/2022  
Noida, India

- **Set up a Kubernetes cluster on Google Cloud Platform (GCP)** using **Terraform**, automating infrastructure management and improving scalability. This enabled seamless deployment of infrastructure instances, enhancing development efficiency.
- **Implemented automated deployment processes** in the development environment using **GitHub Actions**, streamlining the release workflow and **reducing deployment times by 25%**.
- **Automated deployment processes** on the development server with **Jenkins** and **NGINX**, ensuring continuous integration and faster release cycles.
- Utilized **Terraform** to define and manage **infrastructure as code (IaC)**, optimizing resource provisioning and enhancing scalability across projects.

### 🎓 EDUCATION

#### Masters in Computer Application, Noida Institute of Engineering and Technology

06/2019 – 06/2022  
Greater Noida, India

- MCA Topper for consecutive two years
- Scored 89%

#### Bachelor's in Science, Kumaun University

06/2015 – 06/2018  
Nainital, India

- Scored 67%

#### 12th Science (CBSE), Mallikarjun School

04/2014 – 04/2015  
Pithoragarh, India

- Scored 80%

### 🧠 SKILLS

#### Programming Language

Python, Javascript

#### Framework

HTML, CSS, ReactJs, Django, Flask, Fast API, Tailwind CSS, Bootstrap

#### Elastic Stack

ElasticSearch, Logstash, Kibanna, Filebeat.

#### Deployment & Containerization

Docker, Kubernetes, CI/CD, Jenkins, Ansible

#### Cloud Providers

AWS, GCP, Terraform

#### Project Collaboration Tools

Git, Trello, Tiaga