

Amaan Shaikh

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PROFESSIONAL EXPERIENCE

1. Developed a **Highly scalable** Compliance Recommendation Generation Pipeline:
Technology Analyst - Infosys [Working as Software Developer/Data scientist](1st Dec 2020 - Present)
 - Took ownership of **developing RestAPI service**, which converts compliance guidance text to recommendations and lists out recommendations with priority.
 - It involved working in **distributed** and complex architecture.
 - Tech Involved: SpaCy, FastAPI, Docker container, Azure [AKS, DevOps, Cloud, Redis Cache, CI/CD], JSON, Logger, Pandas, Numpy, Matplotlib, Linux, Automation scripting, Unit testing.
 - Impact: The solution helps to reduce the time of creating compliance reports from ~3+ months to 4+ weeks. Cost Reduced by about ~2000+\$ per month.

KEY SKILLS

→ **Programming languages**: Java, Python, C++.

→ **Skills**: Data Structures and Algorithms, DBMS, OOPS concepts, Automation.

→ **Tools and Technology**: HTML, Bootstrap, Git, Django, My SQL, Docker, GCP, Azure, Apache Spark, CI/CD.

PROJECTS

1. Learned Django framework by building an **Ecommerce website**: [[Hosted Link](#)] [[Source Code](#)]
 - Designed & developed a dynamic Ecommerce website with backend and frontend for different roles:
 - Customer side: Home, Sign in, Signup, Product, Profile, Cart, Orders & Purchase webpages.
 - Vendor/Admin side: Administrator dashboard page & Product CRUD operations pages.
2. Research project on **Discount prediction** based on the **loyalty of customers using ANN**:
(Final Year Project July 2019 to Feb 2020)[[Source Code](#)]
 - Designed & developed a custom plugin for WordPress to illustrate use of ML model deployed Rest API.
 - Impact: This project is to provide personalized discounts for Ecommerce customers.
 - Tech Involved: Sklearn, Keras, FlaskAPI, HTML, Bootstrap, jQuery, MySQL, WordPress custom plugin.
3. Research project on Tomato & Potato plants **Health detection** using CNN: (3rd Year) [[Source code](#)]
 - Developed web app and android app to illustrate use of ML model deployed Rest API.
 - Impact: This project is to modernize agriculture.
 - Tech Involved: Pandas, Keras, Flask, Android Application (Java based), Website.

ACHIEVEMENTS & CERTIFICATES

- ★ Practicing Competitive Programming on [HackerRank](#) [5* Problem Solver], [LeetCode](#), [GFG](#).
- ★ Participated in [SIH \(Smart India Hackathon - 2020\)](#) as one of the Finalist teams.[[Certified](#)]
- ★ Data Science with [KNIME](#) tool. [Certified]
- ★ [Alteryx](#) Designer Core. [[Certified & badge](#)]
- ★ [DataBricks](#) Partner Training Developer Foundations and Essentials(Apache Spark). [[Certified & badge](#)]
- ★ Architecting with [Google Compute Engine](#). (Coursera)(Google Cloud) [[Certified](#)]
- ★ [Google qwiklabs](#): Google Cloud Essentials, Infrastructure, Kubernetes, and Networking GCP. [[Badges](#)]

EDUCATION

B.E. in Computer Science and Engineering (with 8.45 CGPA)
Walchand Institute Of Technology