

# Karan Parekh

PYTHON DEVELOPER

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## Summary

- Efficient Python Developer with focus on readability and scalability of code using design principles
- Well versed in Object Oriented Programming and good understanding of frontend technologies
- More than a year of experience in developing custom frameworks for internal applications

## Experience

### Pixeldust Technologies

DJANGO DEVELOPER

Mumbai

Feb 2021 - Present

- Backend API development using Django Rest Framework

### Security Brigade (Cyber Security firm)

PYTHON DEVELOPER

Mumbai

Nov 2019 - Dec 2020

- **Firefly:** Internal application that scans clients' web apps for vulnerabilities and defacement type attacks  
Firefly scans for hacker signatures and keywords in the images hosted on the website or in its DOM.  
Other checks included checking for domain reputation, heavy content change, or an unexpected redirected from the origin domain
- **Alucard:** A data aggregator framework for collecting data from darkweb and deepweb forums  
Alucard aims at collecting all the past and upcoming discussions about data leaks being published on these forums. It supports the integration of multiple forum sources that align with the database model.  
*raidforums.com* and *xss.is* are some of the examples
- Managed two interns and trained them in building frameworks using OOP

### Coverfox Insurance (Glitterbug Technologies)

AUTOMATION ENGINEER

Mumbai

Dec 2018 - May 2019

- Automated UI and API testing for coverfox.com
- Generated a visual report of their server performance by defining a user journey for different APIs

## Skills

**Languages** Python · C++ · SQL

**Libraries** Django · Numpy · Pandas · Matplotlib · Boto

**Tools** PyCharm · VS-Code · GitHub · Jupyter Notebook · Linode

**OS** Ubuntu · Windows

**Soft skills** Abstraction and Design · Team Management · Communication and Presentation

**Learning** Machine Learning · Data Analysis

## Projects

### DNA Sequencing

DEVELOPER

GUI Application

August 2019

- A Python application to automate the process of DNA Analysis to search for similarity among hundreds of DNA strands (*sequences*) in less than 10 minutes
- Working: Seeks a region in the target sequence which shares the maximum similarity with the query sequence.  
This process is repeated for every query with the same target on multiple threads simultaneously
- A simple GUI that accepts **.txt** file for the target sequence and **.csv** file for a table of query sequences

More projects on Github

## Education

### GreyAtom School of Data Science

DATA SCIENCE MASTERS PROGRAM

Mumbai

Sept 2019 - June 2020

### Thakur College of Engineering & Technology

BACHELORS OF ENGINEERING

Mumbai

July 2014 - June 2018