

# Pranjal Singh

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## EXPERIENCE

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### Technology Analyst

July 2021 – Present

*Infosys*

*Bangalore, Karnataka*

- Successfully engineered and deployed infrastructure alert management automation using **Python**, **ansible** resulting in a notable **30%** reduction in operational costs..
- Developed Python modules for **RPA** automation in Site Reliability Engineering (SRE), resulting in a **45%** reduction in manual remediation efforts through the automation of key processes..
- Coordinated a strategic migration from **SQL** to **MongoDB**, ensuring seamless integration within the existing architecture having **20000+** data points.
- Established a CI/CD pipeline using **Bitbucket**, **TeamCity**, and **SonarQube**; increased deployment frequency to over **20** releases per month and improved collaboration across teams, resulting in a streamlined development cycle.
- Created **pytest** test cases to identify and address issues and bugs in the automation , keeping a coverage of around **80%** on test cases.

### System Engineer Intern

Feb 2021 – June 2021

*Infosys*

*Mysuru, Karnataka*

- Led the development of a full-stack web application for the organization's health club, used by **100+ active members**.
- Designed and implemented core features enabling users to **buy, sell, and rent** fitness equipment across **20+** categories..
- Used **Angular** for frontend development, spearheading the creation of an engaging and responsive user interface.
- Identified and resolved bugs through thorough debugging and resolving **95%** of reported bugs.

### Software Engineer Intern

April 2020 – July 2020

*Jp Morgan Chase and Co*

*Noida, Uttar Pradesh*

- Performed comprehensive data analysis using Python, processing over **10,000+** data points across multiple datasets.
- Automated data collection and cleaning pipelines, improving data processing efficiency by **30%**.
- Utilized tools such as **Pandas**, **NumPy**, and **Matplotlib** to extract insights, enabling data-driven decision-making.

## PROJECTS

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### Decore | *Python, Flask, Tweepy, HTML, CSS*

June 2020 – July 2020

- Launched '**Decore**', a sophisticated web app designed with Flask and Tweepy, resulting in distinguishing normal users from spammers on Twitter .
- Achieved **93%** accuracy in distinguishing normal users from spammers on Twitter.
- Conducted model training on a multilingual dataset comprising of around **60,000** data points.
- Utilized the Twitter REST API in conjunction with the Tweepy library to perform efficient data analysis and streamline data retrieval.

## RELEVANT COURSEWORK

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- Data Structures • Software Methodology • Algorithms Analysis • Database Management

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, SQL ,Mongo DB, Ansible, HTML/CSS, Bash

**Frameworks:** Django, Bootstrap, Flask, Tailwind-CSS,Material-UI

**Developer Tools:** Git, Docker,AWS, Teamcity, UI Path, Pagerduty

**Libraries:** Pandas, NumPy, Matplotlib,Scikit learn

## EDUCATION

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**Jaypee Institute Of Information Technology**

*Bachelor of Technology in Computer Science*

Noida, Uttar Pradesh

*Aug. 2017 – July 2021*