Pranjal Singh

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EXPERIENCE

Technology Analyst   July 2021 – Present
Infosys   *Bangalore, Karantaka*
- Successfully engineered and deployed infrastructure alert management automation using **Ansible** and **Python**, 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.
- 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*
- Directed the development of a web application for the organization's health club during the internship.
- Formulated features on the web app enabling users to buy, sell, and rent fitness equipment across 20 different categories.
- Used **Angular** for frontend development, spearheading the creation of an engaging and responsive user interface.
- Identified and resolved bugs through thorough debugging and testing processes.

Software Engineer Intern   April 2020 – July 2020
Jp Morgan Chase and Co   *Noida, Uttar Pradesh*
- The internship was a Software Developer intern virtual internship programme
- Conducted comprehensive data analysis tasks using python, including data collection, processing, and interpretation.
- Employed a range of data analysis tools and techniques to derive meaningful insights and inform decision-making.

PROJECTS

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.

Student Data Management System | *C++, Git*   Sep 2018 – Oct 2018
- Developed a C++ Student Data Management System to efficiently manage academic information for 378 students.
- Ensured secure input, storage, retrieval, and updating of student data by implementing a user-friendly system that enhanced admin efficiency.
- Enhanced security for student data, ensuring confidentiality and privacy compliance.

TECHNICAL SKILLS

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

Jaypee Institute Of Information Technology   Noida, Uttar Pradesh
Bachelor of Technology in Computer Science   *Aug. 2017 – July 2021*