

HARSHIL PANCHAL



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I'm providing valuable expertise in various projects having proficiency in technologies such as Python, Flask, Django, django-ORM, C++, HTML, CSS, GIT, Jira, OOP. I'm also a good problem solver, have good knowledge about Data Structures & Algorithms such as BS, BST, DP, greedy, etc

EDUCATION

B.Tech, Computer Science & Engineering

Nirma University, Ahmedabad



May 2018 – May 2022

- Cumulative GPA: 7.82 / 10.00

PROJECTS

Shop Management System



September 2020 – December 2020

- A Web Application for a printing shop nearby which provides facilities to make entries of products by the operators as per the need of customer and can generate respective Tax/Retail Invoices. Sales Data of a particular month & year can be stored in Excel sheet. It has two Logins: Admin & Operator. Only admin can enter rates for each product. Operators when enter the product details and an order copy is generated and which is further used in manufacturing of the product.
- Technology/Library Used: Python, Flask Web Framework, HTML, CSS, JS
- Github: https://github.com/pharshil1902/final_shop_4_2_21

E-Commerce Website (django based)

- Developed an E-commerce website using Django Framework.
- Features: User can create one's cart, buy products, order gets placed.
- Only Payment facilities weren't made.
- CMS was also pending.
- Github: <https://github.com/Accel-Byte/Ecommerce>

WORK EXPERIENCE

SDE Intern – TechQRT Pvt. Ltd.



April 2021 – May 2021

- CHATBOT** - I created a chatbot based on if-else conditions on a user inputs using web framework: Flask. I completed all the requirements of the clients including removing ambiguity and forming different questions from the responses of the user.
- Angle Measurement API** - I've also created an Angle Measurement API which takes video from Firebase and finds angles using python libraries and returns output in the form of JSON. I deployed the API using Microsoft AZURE. This API is further incorporated in the Android APP.
- Worked on AWS RDS(MySQL) and EC2 instance for one of the projects.

Research Intern – IIT, Gandhinagar



May 2021 – July 2021

- I was given the responsibility to find out how to make conversion from OASIS format file to GDSII format file and I also need to create a GUI for the same. Firstly, I understood the format files from the manuals and then I created a few python scripts for the byte-level conversions. I finally created a python GUI which could easily convert one format to another.

Software Engineer – Crest Data Systems



January 2021 – Present

- I worked on one of the data analytics technologies such as **Splunk**. I worked as a Developer and was responsible for developing add-ons and apps needed for data analytics.
 - Used Softwares such as **JIRA**, **Confluence**, **Bitbucket**, **Bamboo** for project management.
 - I worked on a project where I needed to work with **Pytest-Splunk-Addon** (OpenSource) in which I understood the whole project and also made an enhancement. I got to learn and have hand-ons experience on new technologies such as **Kubernetes**, **Argo workflow**, **Selenium**, **Pytest**, **Github Actions**, **Docker**, **Shell Script**.

VOLUNTEERING EXPERIENCE

Volunteer - Indian Red Cross Society (IRCS)



May 2019 – June 2019

- I was working with an institution known as IRCS, where I helped in social work such as Blood Donation Camps, Free Eye Checkups, HIV Testing, Spreading Awareness regarding Thalassemia, HIV, and various other diseases in rural areas.

SKILLS

- Python
- Flask
- Django
- ReactJS
- Kubernetes
- Pytest
- Jinja
- Data Structures & Algorithms
- C, C++
- Microsoft Azure
- Argo Workflows
- CI/CD
- Microservices Architecture
- Docker
- Github Actions
- Shell Script

CERTIFICATIONS & ACHIEVEMENTS

- Qualified TCS Codevita Season 9 Round 1.
- Machine Learning (Stanford) Coursera Certification.
- Neural Networks & Deep Learning – Andrew Ng – Coursera – Certification
- Qualified Google Code jam 2020 Qualification Round.