PROFESSIONAL EXPERIENCE

NIC

Jan 2023 | Chennai, India

Learned the basic cloud Technology and created customized ISO using packer with Ansible and using Oracle VirtualBox to host the image. Created customized Ubuntu ISO qcow2 image and launch it as an instance in Openstack using the CLI.

NSIC

Dec 2022 | Chennai, India

Cloud Computing and IoT we have worked in different clouds like Thinkspeak and blynk cloud. In Thinkspeak we have worked in data visualization by feeding various data sets.

TACTLABS
Developer Intern

Jan 2022 – Dec 2022 | Toronto, Canada

- Worked as a Team lead, Event Organizer, Finance manager(Admin Team), and Public teaching activity.
- Full-stack Python developer using Flask, FastAPI, RestAPI, HTML, CSS, MongoDB, and PostgreSQL
- Clouding Computing in AWS EC2, Route53, Auto Scaling, EKS, Cloudwatch, ECR, Apprunner and IAM
- DevOps tools like Docker, K8s
- CI/CD pipeline using Jeniks, Heroku
- Data collection and Organizing using Selenium, Scrapy, and Pandas

Hosilon project
A Realestate project for a Canadian client

A web and mobile application project works on the backend and deployment wherein the backend used Flask, FastAPI and MongoDB. For the deployment, used AWS Route53 and AWS S3 for storage.

Serkiniti project
A Word Building Game

A *web-based project and contributed in front-end and back-end. Front-end UI/UX using HTML, CSS, Ajax and Jinja. And in the back-end, using the RestAPI, JSON and Docker container for combining compounds.*

PROJECTS

GSchedule — Web tech

Schedule time management tools can be used to create, track, and share the schedule with team members and stakeholders. And saves time by up to 80%.

Tech Tools: Flask, HTML, CSS, JS, SQLAlchemy and SQLite

House Price Prediction— ML

Algorithm: XGBoost Regression
House price prediction system using Machine Learning with Python-Boston house price prediction, a regression model. Predicted using the label provided with the dataset.

Randomizer — Web tech

Generates random pseudo-names for players in a game, allowing for increased player anonymity and customization.

Tools: HTML, CSS, JS, JSON, FLASK

Slack bot - Web tech

Slack bot to automate and streamline team communication, tasks and workflows within the slack platform.

Tools: slack-SDK, slackeventsapi, flask, pymongo, requests, gunicorn, pandas

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◉◉ https://medium.com/@vmelakia
○ https://github.com/elakiavm

EDUCATION

St. Joseph's College Of Engineering
B.Tech IT
Apr 2020 – Apr 2024 | Chennai
CGPA - 8.9

BVM GLOBAL@PERUNGUDI, PERUNGUDI
Computer Science
Apr 2018 – Apr 2019 | Chennai
12th - 76%

SKILLS

Docker | **K8s** | **Jenkins** | **Flask**

MongoDB | **PostgreSQL** | **Sqlite**

FastAPI | **Selenium** | **AWS Computing**

Postman | **Linux Commands**

Programming Languages *(Python Java C)*

AWARDS

Club Activity Full Stack Development
Event: Coding and Software Hackathon club: 3rd Place
Jobseeker
Scaping the Indeed website according to their skill set and job position and sending emails to them.

Tech Tool: Flask, MongoDB, Selenium, Streamlit

Micro Erro404 by Micro - Unstop
Won: 4th place
Scrape and extract information from a specific website using web scraping techniques and tools.

Tech Tool: selenium, fastapi, uvicorn, jinja2, python-multipart, nltk, bs4, html2text, gunicorn

CERTIFICATES

Microsoft Azure Machine Learning, Coursera— Machine Learning

PCAP: Programming Essentials in Python, Cisco Networking Academy— Python

HackerRank SQL Certificate

HackerRank Python Certificate

HackerRank Problem Solving Certificate

HackerRank CSS Certificate