

Elakia V.M.

✉ vmelakia@gmail.com ☎ 9361729651 📍 Thoriappakkam, Chennai in linkedin.com/in/v-m-elakia-49382a212
●📄 https://medium.com/@vmelakia 🌐 https://github.com/elakiavm

EDUCATION

B.Tech IT

St. Joseph's College Of Engineering
CGPA - 8.9

04/2020 – 04/2024
Chennai

Computer Science

BVM GLOBAL@PERUNGUDI, PERUNGUDI
12th - 76%

04/2018 – 04/2019
Chennai

SKILLS

Docker | **K8s** | **Jenkins** | **Flask** | **MongoDB** | **PostgreSQL** | **Sqlite** | **FastAPI** | **Selenium**

AWS Computing | **Postman** | **Linux Commands** | **Programming Languages** (Python Java C)

PROFESSIONAL EXPERIENCE

NIC

Gained knowledge of the fundamentals of cloud computing and produced a customised ISO using Packer and Ansible with Oracle VirtualBox as the image host. used the CLI to launch a customised Ubuntu ISO qcow2 image as an instance in OpenStack.

01/2023
Chennai, India

NSIC

IoT and cloud computing has been used in many clouds, such as Blynk and Thinkspeak. Using various data sets as input, have worked with data visualization in Thinkspeak.

12/2022
Chennai, India

Developer Intern

TACTLABS

- Served as a team leader, event planner, finance manager (Admin Team), and public educator.
- Python developer with experience using Flask, FastAPI, RestAPI, HTML, CSS, MongoDB, and PostgreSQL
- Cloud computing in AWS EC2, Route53, Auto Scaling, EKS, Cloudwatch, ECR, Apprunner, and IAM
- DevOps tools like Docker, K8s CI/CD pipeline using Jenkins, Heroku
- Data gathering and organising using Selenium, Scrapy, and Pandas

01/2022 – 12/2022
Toronto, Canada

Hosilon project

Real estate development for a Canadian client

The backend and deployment of a web and mobile application project are handled by Flask, FastAPI, and MongoDB. AWS Route53 and AWS S3 were used for the deployment.

Serkiniti project

A Game of Word Construction

Worked on the front-end and back-end of a web-based project. Front-end UI/UX development with HTML, CSS, Ajax, and Jinja. In the backend, compounds are combined using the RestAPI, JSON, and Docker containers.

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, jinjax2, python-multipart, nltk, bs4, html2text, gunicorn

CERTIFICATES

- Microsoft Azure Machine Learning, Coursera— Machine Learning
- HackerRank Python Certificate
- PCAP: Programming Essentials in Python, Cisco Networking Academy— Python
- HackerRank Problem Solving Certificate
- HackerRank SQL Certificate
- HackerRank CSS Certificate

PROJECTS

GSchedule — Web tech

Tools for managing schedules can be used to develop, monitor, and communicate the schedule with stakeholders and team members. and can cut down on time by 80%.

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

House Price Prediction— ML

Algorithm: XGBoost Regression

Boston house price prediction system utilising machine learning and Python is a regression model for predicting home prices. based on the dataset's label, which was predicted.

Slack bot - Web tech

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

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

Packer - IMAGE BUILDER

The PACKER AMI project can be defined as once the developer uploads the python application code to Github, the automation process will create a Docker image and uploads it to the Docker Hub, and further, an AMI will be created with packer having docker container provisioned with an image of python flask application from Docker Hub.

Emotion-Music-Recommendation

Recommending music based on your facial expressions using FER 2013 dataset and Spotify API

Tool: Keras, Tensorflow, Spotipy, Tkinter (For testing), Flask, Docker, HTML , CSS ,JS

High Availability Application

The project is completely deployed in the AWS cloud with the help of several services offered by AWS.

Tool: VPC (Subnets, Route table, IGW), Route53 (Public & Private Hosted Zone, Weighted and Simple Routing Policies), ALB (Target Groups, Host Header Routing), EC2 Instances (Security groups, NACL),RDS (Multi AZ, Replicas),ACM (SSL), ASG, EFS, S3, CloudWatch, SNS, IAM