



Subramaniam Subramanian Murugesan

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"A software developer passionate about harnessing the power of data to solve complex challenges."

Professional Summary

As ML engineer and Software Developer, I've honed my expertise in the PyTorch, Tensorflow framework and have hands-on experience with diverse machine learning architectures like Transformers, Convolutional Neural Networks (CNNs), and Stable Diffusion Models. In addition, I have developed proficiency as a Frontend and Backend Developer, with skills in HTML, CSS, JavaScript (React and Angular), Flask, SQLite, MongoDB, Flask-restful, and GraphQL. I'm always thrilled to connect with fellow AI enthusiasts and developers to learn and share knowledge.

I am seeking opportunities that will allow me to leverage my skills to contribute significantly to the AI and machine learning field, as well as front-end and back-end development.

Education

MSc – Big Data Science

Queen Mary University of London
2022 - 2023

B.Tech – Bioinformatics

SASTRA University
2017-2021

Experience

Programmer Analyst Trainee

Cognizant Technology Solutions

April 2021 – Jun 2022

- Used C# in .Net framework to code application changes that led to significant functionality improvements, enhancing both user experience and system performance.
- Managed support tickets for timely resolution.

Machine Learning Fellow

Fellowship.AI

Jan 2023 – May 2023 (Remote)

- Implementation of Stable Diffusion Models with Control-net, Dreambooth, Text-inversion for Fashion image modification project.
- Implementation VITON - HD for virtual try-ons.
- Used Computer Vision (CV2) in Image and mask segmentation.
- Used Detectron2 for Boundary Box Annotations.

Projects

Text Analyser

Analyzes sentiment and content using External APIs. Developed with Python and Flask. [Link]

Skills

- **Frontend:** HTML, CSS, JavaScript, React.
- **Backend:** Python, Flask.
- **Database:** SQLite, MongoDB.
- **REST APIs:** Flask-restful, GraphQL.
- **Machine Learning:** TensorFlow, PyTorch, Transformers.
- **Cloud:** AWS (EC2, S3, EKS, Fargate), Docker, Kubernetes.