Email
pechimuthu77@gmail.com

Address
10, Appadurai street, Jafferkhan pet, Chennai.

Phone
9841756670

Date of birth
10-07-1993

Nationality
Indian

Link
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Skills

Python

AWS

Web scrapping

Data Engineering

Pandas

Flask - Backend

RESTful APIs using Flask

MongoDB

ElasticSearch

Data Analytics

git

Problem-Solving

Text mining

SQL

Linux

Lambda

Networking

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Languages

Tamil
Advanced

English
Advanced

Pechi Muthu A
Senior Software Engineer

Python Developer with more than 5 years of experience with AWS Skills, Seeking a Relevant position in a reputable organization that permits me to utilize my programming skills and knowledge.

Experience

Senior Software Engineer

Tiger Analytics *Chennai*

September 2019 - Present

- Write Elegant, Optimized python code and follow best coding practices.
- Worked on an Insurance project - Automating Pre Filling, Maintaining entire Application Engine from end to end that involves web scraping and API integration from 20+ different websites, Pre-processing of unstructured data, Developed algorithms to sort and filter best results across all the sources, store the final results in S3, ElasticSearch, Built API using AWS API gateway to retrieve information from the database, Build data pipeline and maintain everything in AWS Ecosystem.
- Worked on a Proof-Of-Concept (POC) for an E-Commerce client, where we have to build a scraping framework to monitor the inventory data across all the stores and cities and monitor the changes. I handled scraping leading E-commerce websites Amazon, Walmart and Lowes. Executing it frequently to analyze the inventory data across various stores.
- Built and maintained Application Orchestrations.
- Build AWS data pipeline for real-time web scraping on 20+ sources, pre-process, restructure and store.
- Built interactive dashboards and analytical web apps using Dash and Oracle.
- Built API endpoint with AWS API gateway.
- API development with Flask.
- FuzzyMatching with multiple Database's using NLP techniques.
- Data Engineering and ETL operations

Senior Software Engineer

Prodapt Solutions *Chennai*

February 2019 - September 2019

- Exploratory data analysis and predictive modeling.
- Built a smart ticketing system with flask framework and MySQL as Database.
- Implemented REST API.
- Worked on Regression use cases.

Software Engineer | Junior Data Scientist

Syntel India Private Limited *Chennai, India*

August 2015 - February 2019

- Vast experience in **python** in many framework from web services to data analytics.

- Worked independently on **DataScience projects** from pre-processing the dataset, Building the model and deploying as an API.
- Built many custom modules using **python object oriented programming.**
- Handled all types for files and manipulated using **python** (CSV, text,json,word,..)
- Implemented discretization and binning, data wrangling: cleaning, transforming, merging and reshaping data frames using **Pandas and Numpy** using python.
- Experienced on Machine learning classification algorithm such as **Naive Bayes, SVM, tfidf vectorizer** using **Sklearn**
- **Developed Python based API(RESTful web service) using Flask module**
- Determined optimal business logic implementations, applying best design patterns.
- Created user information solutions and backend supports, including wrote programs that allow Eversify.
- Integrated applications with designing database architecture and server scripting, studying & establishing.
- Extraction of patterns using **NLP**.

Education

- ### Bachelor's Engineering

  Dhanalakshmi College of Engineering, Anna University *Chennai, Tamil Nadu*
  - 2015

  Have pursed **Electronics and Communication Engineering,** Studied about **Electronics** and **Networking**

Achievements

- One of the finalists in **NASSCOM's Build   for India Hackathon**, April 2018.
- Participated in the **Syntel Hackathon BizQuest 2017** innovate for Business held on July 24th to 28th, 2017 and developed a service using **Python** to predict the matching test cases and won **Runner-up.**
- Received **Adaptive Agile Value Award** in 2016