KUMAR ARMUGAM

SUMMARY

Highly-motivated trainer with passion for cultivating programming expertise. Proven success in leveraging educational theories and methodologies to design,develop and deliver successfully training programs. As a dedicated educator i am committed to enabling others to harness the power of Python and AI to innovate and excel in their endeavors.

EXPERIENCE

AI PYTHON TRAINER, 07/2022 - Current
Client-CMSI - Coimbatore

- Design and delivered AI training programs for diverse audiences, including students, professionals, and executive
- Develop and update training materials, including presentations, hands on exercise assignments.
- Conduct hands-on workshops, providing practical exercises and real-world examples to enhance understanding.
- Developed deep learning models in Tensorflow
- Conducted data preprocessing, feature engineering, and model evaluation to ensure accuracy and reliability.

Data Scientist Trainer, 10/2020 - 12/2020
Client-Orbit IT - Hyderabad

- Built recommender systems based on collaborative filtering techniques with Apache Spark MLlib library.
- Utilized natural language processing techniques to extract meaningful insights from unstructured text data.
- Implemented supervised and unsupervised learning algorithms such as random forest, KNN, SVM, logistic regression in Python and R environment for predictive analytics projects.
- Conducted feature engineering activities such as variable selection and transformation for building effective prediction models.

DATA SCIENCE PYTHON TRAINER, 06/2016 - 05/2020
Client-Ventech IT solutions - Hyderabad

- Managed development, implementation and continuous improvement of training programs
- Schedule and taught weekly internal classes to groups of employees.
- Developed and deployed machine learning models using frameworks such as TensorFlow and scikit-learn.

SKILLS

- Programming language: Python
- Data Manipulation and Analysis: Pandas, Numpy
- Data Visualization: Matplotlib, Seaborn, Plotly
- Machine Learning Libraries: Scikit-learn, Tensorflow, Keras
- Natural Language Processing
- Deep Learning,Computer vision
- Statistical Analysis: Hypothesis testing, Regression analysis
- Teaching and Training: Curriculum development, Workshop facilitation
- Communication: Clear explanation, Technical writing

- Implemented machine learning algorithms to solve complex business problems for clients in various industries.

Python Trainer, 06/2019 - 11/2019
Client-Nano Technology - Hyderabad

- Developed comprehensive training plans and materials to teach Python programming fundamentals.
- Provided constructive feedback and guidance to help students improve their coding skills.
- Assisted students with debugging code errors and understanding complex concepts.
- Reviewed student portfolios after completion of courses in order to assess overall mastery of core concepts.

Python Trainer, 07/2018 - 10/2019
Client-Sathya Technologies - Hyderabad

- Develop and deliver comprehensive Python training programs for individuals of varying skill levels.
- Design curriculum content covering fundamental and advanced Python concepts, data structures, algorithms, and best coding practices.
- Provide individualized support to learners, addressing questions and challenges related to Python programming
- Stay updated with industry trends and incorporate the latest advancements in Python into training materials.

Python Data Analyst Trainer, 01/2017 - 03/2017
Client-Sonata software - Hyderabad

- Performed exploratory data analysis using Pandas, Numpy and Matplotlib libraries in Python.
- Conducted statistical modeling on large datasets to identify patterns and trends in the data.
- Cleaned up raw datasets by identifying outliers, missing values and other discrepancies.
- Designed visualizations to present insights from data analyses clearly and effectively.

Data Analyst Trainer, 02/2015 - 04/2015
Client-Techsoft - Hyderabad

- Conducted exploratory data analysis to uncover patterns and insights in large datasets.
- Developed predictive models to optimize business processes and improve decision-making.
- Utilized programming languages such as Python and R for data analysis and model development.

Python Trainer, 01/2015 - 02/2015
Client-R&T info Systems - Hyderabad

- Conducted hands-on workshops to introduce students to the basics of Python coding.

- Conducted code reviews and mentored junior developers, fostering a culture of continuous learning.

EDUCATION AND TRAINING

MCA, **Computers**, **06/2011**
Mother Teresa PG College - Hyderabad

Bachelor of Science, **Computer Applications**, **05/2007**
Gov Degree College - Srisailam

LANGUAGES

Tamil: First Language

English: C1
Advanced (C1)

Telugu: B1
Intermediate (B1)